

C 101	13	44.8	57	1	US-08-192-300-14	Sequence 14, Appl	C 174	12.6	43.4	80	2	US-08-860-882A-43	Sequence 43, Appl
C 102	13	44.8	67	3	US-09-275-850-319	Sequence 319, Appl	C 175	12.6	43.4	80	4	US-09-011-769A-10	Sequence 10, Appl
C 103	13	44.8	70	3	US-09-364-880-12	Sequence 12, Appl	C 176	12.4	42.8	21	4	US-08-745-995A-37	Sequence 37, Appl
C 104	13	44.8	72	1	US-08-009-265-41	Sequence 41, Appl	C 177	12.4	42.8	21	4	US-09-005-352-37	Sequence 37, Appl
C 105	13	44.8	78	1	US-08-290-592B-40	Sequence 40, Appl	C 178	12.4	42.8	22	4	US-09-445-283C-45	Sequence 45, Appl
C 106	13	44.8	78	5	PCT-US96-09448-40	Sequence 40, Appl	C 179	12.4	42.8	24	3	US-08-283-300A-18	Sequence 18, Appl
C 107	12.8	44.1	17	4	US-09-827-998-282	Sequence 282, Appl	C 180	12.4	42.8	24	5	PCT-US95-03345-18	Sequence 18, Appl
C 108	12.8	44.1	17	4	US-09-827-998-284	Sequence 284, Appl	C 181	12.4	42.8	25	3	US-09-194-301-2	Sequence 2, Appl
C 109	12.8	44.1	18	4	US-09-422-978-5466	Sequence 5466, Ap	C 182	12.4	42.8	26	1	US-08-117-362-10	Sequence 10, Appl
C 110	12.8	44.1	24	1	US-08-508-778A-6	Sequence 6, Appl	C 183	12.4	42.8	26	1	US-08-117-362-29	Sequence 29, Appl
C 111	12.8	44.1	24	4	US-09-250-609-23	Sequence 23, Appl	C 184	12.4	42.8	26	1	US-08-486-924-10	Sequence 10, Appl
C 112	12.8	44.1	24	4	US-09-611-23	Sequence 23, Appl	C 185	12.4	42.8	26	1	US-08-486-924-29	Sequence 29, Appl
C 113	12.8	44.1	25	4	US-09-827-998-1107	Sequence 1107, Ap	C 186	12.4	42.8	26	4	US-08-486-929A-10	Sequence 10, Appl
C 114	12.8	44.1	25	4	US-09-866-108A-3196	Sequence 3196, Ap	C 187	12.4	42.8	26	4	US-08-486-929A-29	Sequence 29, Appl
C 115	12.8	44.1	25	4	US-09-866-108A-3197	Sequence 3197, Ap	C 188	12.4	42.8	27	4	US-09-475-460A-6	Sequence 6, Appl
C 116	12.8	44.1	38	1	US-08-373-124A-1147	Sequence 1147, Ap	C 189	12.4	42.8	27	4	US-09-748-061A-6	Sequence 49, Appl
C 117	12.8	44.1	38	1	US-08-435-628-1147	Sequence 1147, Ap	C 190	12.4	42.8	29	4	US-09-189-462-49	Sequence 49, Appl
C 118	12.8	44.1	39	1	US-08-527-734-8	Sequence 8, Appl	C 191	12.4	42.8	29	4	US-09-304-232-690	Sequence 690, Appl
C 119	12.8	44.1	40	2	US-08-850-049-119	Sequence 119, Appl	C 192	12.4	42.8	29	4	US-09-863-040-49	Sequence 49, Appl
C 120	12.8	44.1	40	2	US-08-050-478-119	Sequence 119, Appl	C 193	12.4	42.8	33	3	US-09-184-938-16	Sequence 16, Appl
C 121	12.8	44.1	40	3	US-09-414-117-119	Sequence 119, Appl	C 194	12.4	42.8	33	3	US-09-184-938-17	Sequence 17, Appl
C 122	12.8	44.1	40	4	US-09-678-437-119	Sequence 119, Appl	C 195	12.4	42.8	33	5	PCT-US94-14108-10	Sequence 10, Appl
C 123	12.8	44.1	42	1	US-08-170-290A-49	Sequence 49, Appl	C 196	12.4	42.8	38	4	US-09-371-772B-8446	Sequence 8446, Ap
C 124	12.8	44.1	45	1	US-08-171-389-130	Sequence 130, Appl	C 197	12.4	42.8	39	3	US-09-184-938-28	Sequence 28, Appl
C 125	12.8	44.1	45	1	US-08-171-389-342	Sequence 342, Appl	C 198	12.4	42.8	39	3	US-09-184-938-29	Sequence 29, Appl
C 126	12.8	44.1	45	1	US-08-123-936-130	Sequence 130, Appl	C 199	12.4	42.8	40	4	US-09-731-466-1	Sequence 1, Appl
C 127	12.8	44.1	45	1	US-08-123-936-342	Sequence 342, Appl	C 200	12.4	42.8	42	4	US-09-526-193A-60	Sequence 60, Appl
C 128	12.8	44.1	45	2	US-08-475-228A-130	Sequence 130, Appl	C 201	12.4	42.8	45	3	US-09-184-938-22	Sequence 22, Appl
C 129	12.8	44.1	45	2	US-08-475-228A-342	Sequence 342, Appl	C 202	12.4	42.8	45	3	US-09-184-938-23	Sequence 23, Appl
C 130	12.8	44.1	45	3	US-08-482-080A-130	Sequence 130, Appl	C 203	12.4	42.8	47	4	US-09-422-978-415	Sequence 415, App
C 131	12.8	44.1	45	3	US-08-482-080A-342	Sequence 342, Appl	C 204	12.4	42.8	47	4	US-09-422-978-1135	Sequence 1135, Ap
C 132	12.8	44.1	45	4	US-09-354-947-130	Sequence 130, Appl	C 205	12.4	42.8	47	4	US-09-422-978-2347	Sequence 2347, Ap
C 133	12.8	44.1	45	4	US-09-354-947-342	Sequence 342, Appl	C 206	12.4	42.8	50	1	US-08-207-901-87	Sequence 87, Appl
C 134	12.8	44.1	45	5	PCT-US93-12388-130	Sequence 130, Appl	C 207	12.4	42.8	51	3	US-09-184-938-13	Sequence 13, Appl
C 135	12.8	44.1	45	5	PCT-US93-12388-342	Sequence 342, Appl	C 208	12.4	42.8	51	3	US-09-184-938-14	Sequence 14, Appl
C 136	12.8	44.1	47	4	US-09-422-978-686	Sequence 686, Appl	C 209	12.4	42.8	70	1	US-08-434-001-179	Sequence 179, App
C 137	12.8	44.1	50	1	US-09-422-978-1097	Sequence 1097, Ap	C 210	12.4	42.8	70	1	US-08-433-585-179	Sequence 179, App
C 138	12.8	44.1	50	1	US-08-171-389-343	Sequence 343, Appl	C 211	12.4	42.8	70	1	US-08-434-425-179	Sequence 179, App
C 139	12.8	44.1	50	2	US-08-123-936-343	Sequence 343, Appl	C 212	12.4	42.8	70	2	US-08-437-667-179	Sequence 179, App
C 140	12.8	44.1	50	2	US-08-475-228A-343	Sequence 343, Appl	C 213	12.4	42.8	70	3	US-08-906-955-179	Sequence 179, App
C 141	12.8	44.1	50	3	US-08-482-080A-343	Sequence 343, Appl	C 214	12.4	42.8	70	3	US-08-945-909-179	Sequence 179, App
C 142	12.8	44.1	50	4	US-09-354-947-343	Sequence 343, Appl	C 215	12.4	42.8	70	3	US-09-364-380-29	Sequence 29, Appl
C 143	12.8	44.1	50	5	PCT-US93-12388-343	Sequence 343, Appl	C 216	12.4	42.8	70	4	US-09-396-002A-179	Sequence 179, App
C 144	12.8	44.1	54	3	US-08-369-823C-30	Sequence 30, Appl	C 217	12.4	42.8	70	4	US-10-077-319-179	Sequence 179, App
C 145	12.8	44.1	54	3	US-08-582-776C-45	Sequence 45, Appl	C 218	12.4	42.8	70	5	PCT-US96-06060-179	Sequence 179, App
C 146	12.8	44.1	54	3	US-08-434-831B-42	Sequence 42, Appl	C 219	12.2	42.1	17	4	US-09-827-998-281	Sequence 281, Appl
C 147	12.8	44.1	54	4	US-09-315-926A-27	Sequence 27, Appl	C 220	12.2	42.1	20	2	US-09-258-371-18	Sequence 18, Appl
C 148	12.8	44.1	68	4	US-08-956-171B-2762	Sequence 2762, Ap	C 221	12.2	42.1	20	2	US-08-751-230-18	Sequence 18, Appl
C 149	12.8	44.1	77	3	US-08-411-768B-15	Sequence 15, Appl	C 222	12.2	42.1	20	3	US-09-499-082-18	Sequence 18, Appl
C 150	12.8	44.1	79	2	US-08-790-963-67	Sequence 67, Appl	C 223	12.2	42.1	20	3	US-09-499-082-18	Sequence 18, Appl
C 151	12.8	44.1	79	3	US-09-371-774-67	Sequence 67, Appl	C 224	12.2	42.1	20	3	US-09-499-082-18	Sequence 18, Appl
C 152	12.6	43.4	29	1	US-08-467-420A-22	Sequence 22, Appl	C 225	12.2	42.1	22	4	US-09-580-497B-1	Sequence 1, Appl
C 153	12.6	43.4	29	1	US-08-470-110A-22	Sequence 22, Appl	C 226	12.2	42.1	22	4	US-09-159-871-10	Sequence 10, Appl
C 154	12.6	43.4	29	1	US-08-667-769A-22	Sequence 22, Appl	C 227	12.2	42.1	24	4	US-09-957-005-14	Sequence 14, Appl
C 155	12.6	43.4	29	2	US-08-940-371-22	Sequence 22, Appl	C 228	12.2	42.1	25	4	US-09-827-998-1096	Sequence 1096, Ap
C 156	12.6	43.4	29	2	US-08-483-636-30	Sequence 30, Appl	C 229	12.2	42.1	30	1	US-08-186-229-19	Sequence 19, Appl
C 157	12.6	43.4	29	2	US-08-483-632-30	Sequence 30, Appl	C 230	12.2	42.1	30	1	US-08-327-097-3	Sequence 3, Appl
C 158	12.6	43.4	29	3	US-08-637-647-22	Sequence 22, Appl	C 231	12.2	42.1	30	2	US-08-470-124-19	Sequence 19, Appl
C 159	12.6	43.4	29	5	PCT-US94-07659-13	Sequence 13, Appl	C 232	12.2	42.1	31	4	US-08-961-957D-10	Sequence 10, Appl
C 160	12.6	43.4	30	5	PCT-US95-17082A-22	Sequence 22, Appl	C 233	12.2	42.1	33	1	US-08-450-944-11	Sequence 11, Appl
C 161	12.6	43.4	30	4	US-08-709-731A-14	Sequence 14, Appl	C 234	12.2	42.1	33	3	US-09-078-166-36	Sequence 36, Appl
C 162	12.6	43.4	32	2	US-08-632-575B-59	Sequence 59, Appl	C 235	12.2	42.1	33	5	PCT-US96-07709-11	Sequence 11, Appl
C 163	12.6	43.4	32	4	US-09-199-542B-59	Sequence 59, Appl	C 236	12.2	42.1	36	1	US-08-423-399B-25	Sequence 25, Appl
C 164	12.6	43.4	34	4	US-09-581-070-2	Sequence 2, Appl	C 237	12.2	42.1	37	4	US-09-579-897-2	Sequence 2, Appl
C 165	12.6	43.4	34	4	US-09-581-070-5	Sequence 5, Appl	C 238	12.2	42.1	39	4	US-09-270-140A-91	Sequence 91, Appl
C 166	12.6	43.4	36	1	US-07-756-251A-6	Sequence 6, Appl	C 239	12.2	42.1	46	1	US-08-242-098-37	Sequence 37, Appl
C 167	12.6	43.4	45	2	US-08-860-882A-19	Sequence 19, Appl	C 240	12.2	42.1	47	4	US-09-671-317-500	Sequence 500, App
C 168	12.6	43.4	45	4	US-09-011-769A-15	Sequence 15, Appl	C 241	12.2	42.1	47	4	US-09-422-978-299	Sequence 299, App
C 169	12.6	43.4	45	4	US-09-422-978-96	Sequence 96, Appl	C 242	12.2	42.1	47	4	US-09-422-978-3619	Sequence 3619, Ap
C 170	12.6	43.4	55	4	US-09-359-304B-4	Sequence 4, Appl	C 243	12.2	42.1	49	2	US-08-850-049-56	Sequence 56, Appl
C 171	12.6	43.4	61	4	US-09-475-947A-272	Sequence 272, Appl	C 244	12.2	42.1	49	3	US-08-050-478-56	Sequence 56, Appl
C 172	12.6	43.4	64	1	US-08-271-364A-2	Sequence 2, Appl	C 245	12.2	42.1	49	4	US-09-414-117-56	Sequence 56, Appl
C 173	12.6	43.4	75	1	US-07-971-101-6	Sequence 6, Appl	C 246	12.2	42.1	51	1	US-08-220-151-39	Sequence 39, Appl

C 247	12.2	42.1	51	1	US-08-413-118-39	Sequence 39, Appl	320	12	41.4	50	4	US-09-354-947-466	Sequence 466, App
C 248	12.2	42.1	51	1	US-08-224-657-16	Sequence 16, Appl	321	12	41.4	50	5	PCT-US93-12388-466	Sequence 466, App
C 249	12.2	42.1	51	1	US-08-257-073-83	Sequence 83, Appl	322	12	41.4	54	2	US-08-418-848A-57	Sequence 57, Appl
C 250	12.2	42.1	51	2	US-08-184-009-16	Sequence 16, Appl	323	12	41.4	66	3	US-09-046-247-138	Sequence 138, App
C 251	12.2	42.1	51	2	US-08-486-969-16	Sequence 16, Appl	324	12	41.4	69	1	US-08-053-131-129	Sequence 129, App
C 252	12.2	42.1	51	2	US-08-417-210A-16	Sequence 16, Appl	325	12	41.4	69	1	US-08-645-641-129	Sequence 129, App
C 253	12.2	42.1	51	2	US-08-458-356-16	Sequence 16, Appl	326	12	41.4	69	1	US-07-853-408B-129	Sequence 129, App
C 254	12.2	42.1	51	2	US-08-471-025-16	Sequence 16, Appl	327	12	41.4	69	1	US-08-096-762-129	Sequence 129, App
C 255	12.2	42.1	51	3	US-08-473-446-39	Sequence 39, Appl	328	12	41.4	69	2	US-08-308-865-129	Sequence 129, App
C 256	12.2	42.1	51	3	US-08-460-736-16	Sequence 16, Appl	329	12	41.4	69	5	PCT-US92-10983-129	Sequence 129, App
C 257	12.2	42.1	51	4	US-09-354-138-16	Sequence 16, Appl	330	12	41.4	70	2	US-08-488-402A-157	Sequence 157, App
C 258	12.2	42.1	51	4	US-09-535-370-16	Sequence 16, Appl	331	12	41.4	70	2	US-08-484-552A-157	Sequence 157, App
C 259	12.2	42.1	51	4	US-09-136-159A-16	Sequence 16, Appl	332	12	41.4	70	3	US-09-275-850-126	Sequence 126, App
C 260	12.2	42.1	51	4	US-09-143-199C-251	Sequence 251, App	333	12	41.4	70	5	PCT-US96-09472-157	Sequence 157, App
C 261	12.2	42.1	51	5	PCT-US96-00547-16	Sequence 16, Appl	334	12	41.4	80	2	US-08-693-302-1	Sequence 1, Appl
C 262	12.2	42.1	54	4	US-08-899-241-230	Sequence 230, App	335	12	41.4	80	3	US-09-099-466-1	Sequence 1, Appl
C 263	12.2	42.1	54	4	US-09-315-926A-23	Sequence 23, Appl	C 336	11.8	40.7	17	4	US-09-827-998-285	Sequence 285, App
C 264	12.2	42.1	54	4	US-09-253-955-10	Sequence 10, Appl	337	11.8	40.7	18	2	US-09-213-768-24	Sequence 24, Appl
C 265	12.2	42.1	60	3	US-09-637-405-10	Sequence 10, Appl	C 338	11.8	40.7	20	3	US-09-358-384-29	Sequence 29, Appl
C 266	12.2	42.1	60	4	US-09-270-140A-95	Sequence 95, Appl	C 339	11.8	40.7	20	3	US-09-358-384-30	Sequence 30, Appl
C 267	12.2	42.1	60	4	US-09-746-585B-10	Sequence 10, Appl	C 340	11.8	40.7	20	3	US-09-358-384-31	Sequence 31, Appl
C 268	12.2	42.1	61	4	US-09-313-221A-80	Sequence 80, Appl	C 341	11.8	40.7	20	4	US-09-322-357-18	Sequence 18, Appl
C 269	12.2	42.1	63	4	US-08-940-136-262	Sequence 262, App	C 342	11.8	40.7	24	2	US-08-507-634-6	Sequence 6, Appl
C 270	12.2	42.1	70	3	US-09-275-850-142	Sequence 142, App	C 343	11.8	40.7	25	1	US-08-531-556-21	Sequence 21, Appl
C 271	12	41.4	17	2	US-08-877-831-2	Sequence 2, Appl	C 344	11.8	40.7	25	1	US-08-472-416-21	Sequence 21, Appl
C 272	12	41.4	21	4	US-09-422-978-1099A	Sequence 1099A, A	C 345	11.8	40.7	25	4	US-09-827-998-1108	Sequence 1108, App
C 273	12	41.4	25	4	US-09-063-733A-18	Sequence 18, Appl	C 346	11.8	40.7	25	4	US-09-866-108A-3195	Sequence 3195, App
C 274	12	41.4	29	4	US-09-304-232-344	Sequence 344, App	C 347	11.8	40.7	26	1	US-08-599-252-43	Sequence 43, Appl
C 275	12	41.4	31	1	US-07-977-284A-233	Sequence 233, App	C 348	11.8	40.7	26	1	PCT-US96-06582-43	Sequence 43, Appl
C 276	12	41.4	31	2	US-08-256-426B-233	Sequence 233, App	C 349	11.8	40.7	26	5	PCT-US96-06583-43	Sequence 43, Appl
C 277	12	41.4	31	2	US-09-077-940A-17	Sequence 17, Appl	C 350	11.8	40.7	26	5	PCT-US96-06583-43	Sequence 43, Appl
C 278	12	41.4	33	3	US-09-121-425-10	Sequence 10, Appl	C 351	11.8	40.7	28	2	US-08-858-767-21	Sequence 21, Appl
C 279	12	41.4	33	4	US-09-634-493A-10	Sequence 10, Appl	C 352	11.8	40.7	28	2	US-08-858-767-22	Sequence 22, Appl
C 280	12	41.4	33	4	US-09-684-855-99	Sequence 99, Appl	C 353	11.8	40.7	28	2	US-08-858-767-23	Sequence 23, Appl
C 281	12	41.4	34	4	US-09-462-569B-6	Sequence 6, Appl	C 354	11.8	40.7	28	2	US-08-863-08-21	Sequence 21, Appl
C 282	12	41.4	34	4	US-09-098-219B-4	Sequence 4, Appl	C 355	11.8	40.7	28	2	US-08-863-08-22	Sequence 22, Appl
C 283	12	41.4	34	4	US-10-164-204-4	Sequence 4, Appl	C 356	11.8	40.7	28	2	US-08-863-08-23	Sequence 23, Appl
C 284	12	41.4	36	1	US-08-469-177-3	Sequence 3, Appl	C 357	11.8	40.7	30	2	US-08-821-782-11	Sequence 11, Appl
C 285	12	41.4	36	1	US-09-565-156A-2	Sequence 9, Appl	C 358	11.8	40.7	30	4	US-09-292-435A-11	Sequence 11, Appl
C 286	12	41.4	36	4	US-09-327-984A-9	Sequence 9, Appl	C 359	11.8	40.7	32	3	US-08-718-738-16	Sequence 16, Appl
C 287	12	41.4	36	4	US-09-198-119C-19	Sequence 19, Appl	C 360	11.8	40.7	32	3	US-09-221-844-16	Sequence 16, Appl
C 288	12	41.4	36	4	US-08-469-600A-631	Sequence 631, App	C 361	11.8	40.7	32	5	PCT-US95-0323A-16	Sequence 16, Appl
C 289	12	41.4	36	4	US-08-488-446-631	Sequence 631, App	C 362	11.8	40.7	33	1	US-08-434-411-50	Sequence 50, Appl
C 290	12	41.4	36	4	US-08-467-344A-631	Sequence 29, App	C 363	11.8	40.7	33	1	US-08-434-411-51	Sequence 51, Appl
C 291	12	41.4	38	4	US-09-402-401C-29	Sequence 2, Appl	C 364	11.8	40.7	33	1	US-08-434-411-52	Sequence 52, Appl
C 292	12	41.4	41	4	US-09-565-156A-2	Sequence 2, Appl	C 365	11.8	40.7	33	1	US-08-434-411-53	Sequence 53, Appl
C 293	12	41.4	41	4	US-09-571-774-2	Sequence 2, Appl	C 366	11.8	40.7	33	1	US-08-434-402-50	Sequence 50, Appl
C 294	12	41.4	41	4	US-09-852-385-2	Sequence 8, Appl	C 367	11.8	40.7	33	1	US-08-434-402-51	Sequence 51, Appl
C 295	12	41.4	44	1	US-08-459-489-8	Sequence 8, Appl	C 368	11.8	40.7	33	1	US-08-434-402-52	Sequence 52, Appl
C 296	12	41.4	44	1	US-08-458-686-8	Sequence 8, Appl	C 369	11.8	40.7	33	1	US-08-434-402-53	Sequence 53, Appl
C 297	12	41.4	44	1	PCT-US93-01559-8	Sequence 8, Appl	C 370	11.8	40.7	33	1	US-08-783-288-50	Sequence 50, Appl
C 298	12	41.4	44	5	US-08-145-704-44	Sequence 44, Appl	C 371	11.8	40.7	33	1	US-08-783-288-51	Sequence 51, Appl
C 299	12	41.4	47	1	US-08-987-574-44	Sequence 44, Appl	C 372	11.8	40.7	33	1	US-08-783-288-52	Sequence 52, Appl
C 300	12	41.4	47	3	US-08-535-168-44	Sequence 44, Appl	C 373	11.8	40.7	33	1	US-08-783-288-53	Sequence 53, Appl
C 301	12	41.4	47	3	US-08-338-907-214	Sequence 214, App	C 374	11.8	40.7	33	2	US-08-890-640-50	Sequence 50, Appl
C 302	12	41.4	47	3	US-09-017-974-44	Sequence 44, App	C 375	11.8	40.7	33	2	US-08-890-640-51	Sequence 51, Appl
C 303	12	41.4	47	3	US-08-682-255A-44	Sequence 44, App	C 376	11.8	40.7	33	2	US-08-890-640-52	Sequence 52, Appl
C 304	12	41.4	47	4	US-09-218-207-214	Sequence 214, App	C 377	11.8	40.7	33	2	US-08-890-640-53	Sequence 53, Appl
C 305	12	41.4	47	4	US-09-429-130-44	Sequence 44, App	C 378	11.8	40.7	33	6	US-08-890-640-53	Patent No. 5194592
C 306	12	41.4	47	4	US-09-422-978-59	Sequence 59, App	C 379	11.8	40.7	33	6	US-08-890-640-53	Patent No. 5194592
C 307	12	41.4	47	4	US-09-422-978-1485	Sequence 1485, App	C 380	11.8	40.7	33	6	US-09-386-607-9	Sequence 9, Appl
C 308	12	41.4	47	4	US-09-422-978-3352	Sequence 3352, App	C 381	11.8	40.7	34	3	US-09-386-607-10	Sequence 10, Appl
C 309	12	41.4	47	5	PCT-US96-11786-44	Sequence 44, App	C 382	11.8	40.7	34	3	US-09-073-019-12	Sequence 12, Appl
C 310	12	41.4	48	1	US-08-171-389-191	Sequence 191, App	C 383	11.8	40.7	35	4	US-10-045-438A-16	Sequence 16, Appl
C 311	12	41.4	48	1	US-08-123-936-191	Sequence 191, App	C 384	11.8	40.7	36	2	US-08-585-684B-918	Sequence 918, App
C 312	12	41.4	48	2	US-08-475-328A-191	Sequence 191, App	C 385	11.8	40.7	36	3	US-09-038-073-918	Sequence 918, App
C 313	12	41.4	48	3	US-08-482-080A-191	Sequence 191, App	C 386	11.8	40.7	38	4	US-09-371-772B-7942	Sequence 7942, App
C 314	12	41.4	48	4	US-08-354-947-191	Sequence 191, App	C 387	11.8	40.7	38	4	US-09-371-772B-8445	Sequence 8445, App
C 315	12	41.4	48	5	PCT-US93-12388-191	Sequence 191, App	C 388	11.8	40.7	39	3	US-09-124-541-14	Sequence 14, Appl
C 316	12	41.4	50	1	US-08-171-389-466	Sequence 466, App	C 389	11.8	40.7	39	3	US-09-124-541-16	Sequence 16, Appl
C 317	12	41.4	50	1	US-08-123-936-466	Sequence 466, App	C 390	11.8	40.7	39	4	US-09-663-326-14	Sequence 14, Appl
C 318	12	41.4	50	2	US-08-475-328A-466	Sequence 466, App	C 391	11.8	40.7	39	4	US-09-663-326-16	Sequence 16, Appl
C 319	12	41.4	50	3	US-08-482-080A-466	Sequence 466, App	C 392	11.8	40.7	41	1	US-08-468-220-29	Sequence 29, Appl

393	11.8	40.7	41	2	US-08-468-698-29	Sequence 29, Appl	C 466	11.6	40.0	27	2	US-08-546-117-6	Sequence 6, Appl
C 394	11.8	40.7	41	2	US-08-833-814A-6	Sequence 29, Appl	C 467	11.6	40.0	27	5	PCT-US95-11823-10	Sequence 10, Appl
395	11.8	40.7	41	3	US-08-194-664A-29	Sequence 29, Appl	C 468	11.6	40.0	28	1	US-08-318-867A-19	Sequence 19, Appl
396	11.8	40.7	41	5	PCT-US94-10533A-29	Sequence 29, Appl	C 469	11.6	40.0	28	2	US-08-718-658-3	Sequence 3, Appl
397	11.8	40.7	41	5	PCT-US95-10426-29	Sequence 29, Appl	C 470	11.6	40.0	28	3	US-08-952-089A-5	Sequence 5, Appl
C 398	11.8	40.7	41	1	US-08-478-783A-52	Sequence 8, Appl	C 471	11.6	40.0	28	3	US-09-227-684-3	Sequence 3, Appl
C 399	11.8	40.7	44	1	US-08-478-725-82	Sequence 27, Appl	C 472	11.6	40.0	29	1	US-08-219-633-25	Sequence 25, Appl
C 400	11.8	40.7	44	1	US-07-720-222-27	Sequence 27, Appl	C 473	11.6	40.0	29	1	US-08-319-838B-7	Sequence 7, Appl
401	11.8	40.7	45	4	US-09-522-433B-30	Sequence 30, Appl	C 474	11.6	40.0	29	1	US-08-515-238-25	Sequence 25, Appl
402	11.8	40.7	45	4	US-09-526-193A-55	Sequence 55, Appl	C 475	11.6	40.0	29	1	US-08-761-950-25	Sequence 39, Appl
403	11.8	40.7	47	3	US-08-944-368A-28	Sequence 28, Appl	C 476	11.6	40.0	29	2	US-08-632-575B-39	Sequence 39, Appl
404	11.8	40.7	47	4	US-09-820-764-28	Sequence 28, Appl	C 477	11.6	40.0	29	2	US-08-642-045B-6	Sequence 6, Appl
C 405	11.8	40.7	47	4	US-09-641-638-1045	Sequence 1045, Ap	C 478	11.6	40.0	29	3	US-08-852-228-6	Sequence 6, Appl
C 406	11.8	40.7	47	4	US-09-641-638-1214	Sequence 1214, Ap	C 479	11.6	40.0	29	3	US-09-327-229-31	Sequence 31, Appl
C 407	11.8	40.7	47	4	US-09-671-317-536	Sequence 536, App	C 480	11.6	40.0	29	4	US-09-199-542B-39	Sequence 39, Appl
C 408	11.8	40.7	47	4	US-09-671-317-728	Sequence 728, App	C 481	11.6	40.0	29	5	PCT-US95-12608-31	Sequence 31, Appl
C 409	11.8	40.7	47	4	US-09-671-317-864	Sequence 864, App	C 482	11.6	40.0	29	5	PCT-US95-13142-7	Sequence 7, Appl
410	11.8	40.7	47	4	US-09-671-317-876	Sequence 876, App	C 483	11.6	40.0	30	1	US-08-486-963-3	Sequence 3, Appl
411	11.8	40.7	47	4	US-09-422-978-36	Sequence 36, Appl	C 484	11.6	40.0	30	2	US-08-629-001A-56	Sequence 56, Appl
C 412	11.8	40.7	47	4	US-09-422-978-205	Sequence 205, App	C 485	11.6	40.0	30	3	US-08-642-274D-135	Sequence 135, App
C 413	11.8	40.7	47	4	US-09-422-978-1098	Sequence 1098, Ap	C 486	11.6	40.0	30	4	US-10-012-762-1	Sequence 1, Appl
C 414	11.8	40.7	47	4	US-09-422-978-1965	Sequence 1965, Ap	C 487	11.6	40.0	30	4	US-09-704-038B-1	Sequence 1, Appl
C 415	11.8	40.7	47	4	US-09-422-978-2474	Sequence 2474, Ap	C 488	11.6	40.0	31	3	US-09-091-889A-12	Sequence 12, Appl
416	11.8	40.7	47	4	US-09-422-978-3077	Sequence 3077, Ap	C 489	11.6	40.0	32	4	US-08-979-847B-104	Sequence 104, App
417	11.8	40.7	47	4	US-09-422-978-3628	Sequence 3628, Ap	C 490	11.6	40.0	32	4	US-09-199-542B-76	Sequence 76, Appl
418	11.8	40.7	47	4	US-09-422-978-3811	Sequence 3811, Ap	C 491	11.6	40.0	33	4	US-09-684-855-100	Sequence 100, App
419	11.8	40.7	47	4	US-09-986-118A-28	Sequence 28, Appl	C 492	11.6	40.0	33	4	US-09-853-666-14	Sequence 93, Appl
420	11.8	40.7	47	4	US-09-824-017-28	Sequence 28, Appl	C 493	11.6	40.0	36	3	US-09-023-082A-93	Sequence 109, App
421	11.8	40.7	48	3	US-09-063-893A-18	Sequence 18, Appl	C 494	11.6	40.0	36	3	US-09-218-444-14	Sequence 14, Appl
422	11.8	40.7	49	4	US-09-922-221-8	Sequence 8, Appl	C 495	11.6	40.0	36	3	US-09-218-444-30	Sequence 30, Appl
423	11.8	40.7	50	1	US-08-207-901-88	Sequence 88, Appl	C 496	11.6	40.0	36	4	US-09-248-998-93	Sequence 93, Appl
C 424	11.8	40.7	50	2	US-08-428-257A-67	Sequence 67, Appl	C 497	11.6	40.0	36	4	US-09-248-998-109	Sequence 109, App
425	11.8	40.7	50	3	US-09-282-147-43	Sequence 43, Appl	C 498	11.6	40.0	36	4	US-09-853-666-30	Sequence 14, Appl
426	11.8	40.7	53	4	US-09-492-308A-11	Sequence 11, Appl	C 499	11.6	40.0	36	4	US-09-853-666-30	Sequence 30, Appl
427	11.8	40.7	54	1	US-08-073-962-3	Sequence 3, Appl	C 500	11.6	40.0	36	5	PCT-US93-08479-7	Sequence 7, Appl
C 428	11.8	40.7	54	1	US-08-073-962-4	Sequence 4, Appl	C 501	11.6	40.0	36	5	PCT-US93-08479-7	Sequence 7, Appl
429	11.8	40.7	54	1	US-08-487-412-3	Sequence 3, Appl	C 502	11.6	40.0	38	1	US-08-373-124A-303	Sequence 303, App
C 430	11.8	40.7	54	1	US-08-487-412-4	Sequence 4, Appl	C 503	11.6	40.0	38	1	US-08-373-124A-877	Sequence 877, App
C 431	11.8	40.7	61	4	US-09-229-037-36	Sequence 36, Appl	C 504	11.6	40.0	38	1	US-08-373-124A-1328	Sequence 1328, Ap
C 432	11.8	40.7	61	4	US-09-478-681-36	Sequence 36, Appl	C 505	11.6	40.0	38	1	US-08-435-628-303	Sequence 303, App
C 433	11.8	40.7	66	1	US-08-105-483-204	Sequence 204, App	C 506	11.6	40.0	38	1	US-08-435-628-877	Sequence 877, App
C 434	11.8	40.7	66	1	US-08-220-151-85	Sequence 85, Appl	C 507	11.6	40.0	38	1	US-08-435-628-1328	Sequence 1328, Ap
C 435	11.8	40.7	66	1	US-08-413-118-85	Sequence 85, Appl	C 508	11.6	40.0	42	4	US-09-693-147-21	Sequence 21, Appl
C 436	11.8	40.7	66	1	US-08-224-657-61	Sequence 61, Appl	C 509	11.6	40.0	42	4	US-09-381-393A-8	Sequence 8, Appl
C 437	11.8	40.7	66	1	US-08-709-209-204	Sequence 204, App	C 510	11.6	40.0	42	4	US-09-478-189-125	Sequence 125, App
C 438	11.8	40.7	66	1	US-08-458-101-204	Sequence 204, App	C 511	11.6	40.0	47	4	US-09-671-317-526	Sequence 526, App
C 439	11.8	40.7	66	2	US-08-184-009-59	Sequence 59, Appl	C 512	11.6	40.0	47	4	US-09-422-978-271	Sequence 271, App
C 440	11.8	40.7	66	2	US-08-417-210A-59	Sequence 59, Appl	C 513	11.6	40.0	47	4	US-09-422-978-2016	Sequence 2016, Ap
C 441	11.8	40.7	66	3	US-08-458-358-59	Sequence 59, Appl	C 514	11.6	40.0	47	4	US-09-422-978-3644	Sequence 3644, Ap
C 442	11.8	40.7	66	3	US-08-473-446-85	Sequence 59, Appl	C 515	11.6	40.0	48	1	US-08-298-073-11	Sequence 11, Appl
C 443	11.8	40.7	66	3	US-08-460-736-59	Sequence 59, Appl	C 516	11.6	40.0	48	1	US-08-794-153-11	Sequence 11, Appl
C 444	11.8	40.7	66	4	US-09-354-138-61	Sequence 61, Appl	C 517	11.6	40.0	48	3	US-08-290-995-13	Sequence 13, Appl
C 445	11.8	40.7	66	4	US-09-535-370-59	Sequence 59, Appl	C 518	11.6	40.0	48	3	US-09-115-566-11	Sequence 11, Appl
C 446	11.8	40.7	66	4	US-09-136-159A-59	Sequence 59, Appl	C 519	11.6	40.0	48	3	US-09-586-546-43	Sequence 43, Appl
C 447	11.8	40.7	70	4	US-09-453-702B-47	Sequence 47, Appl	C 520	11.6	40.0	48	4	US-09-065-914B-2	Sequence 2, Appl
C 448	11.8	40.7	71	3	US-09-275-850-140	Sequence 140, App	C 521	11.6	40.0	48	4	US-08-316-293-42	Sequence 42, Appl
C 449	11.8	40.7	71	3	US-09-388-128-16	Sequence 16, Appl	C 522	11.6	40.0	49	1	US-08-349-567A-70	Sequence 70, Appl
450	11.8	40.7	72	4	US-08-956-171E-1978	Sequence 1978, Ap	C 523	11.6	40.0	50	4	US-08-290-995-8	Sequence 8, Appl
451	11.8	40.7	72	1	US-08-248-47A-87	Sequence 87, Appl	C 524	11.6	40.0	52	3	US-08-390-995-1E-2072	Sequence 2072, Ap
452	11.8	40.7	77	3	US-08-756-849-87	Sequence 87, Appl	C 525	11.6	40.0	52	4	US-08-956-171E-1978	Sequence 19, Appl
453	11.6	40.0	20	3	US-09-428-584-61	Sequence 61, Appl	C 526	11.6	40.0	52	4	US-09-423-753-19	Sequence 2696, Ap
454	11.6	40.0	20	3	US-09-311-260-58	Sequence 58, Appl	C 527	11.6	40.0	54	2	US-08-585-684B-2696	Sequence 66, Appl
455	11.6	40.0	20	3	US-09-247-190-33	Sequence 33, Appl	C 528	11.6	40.0	54	3	US-09-038-073-2696	Sequence 2696, Ap
456	11.6	40.0	20	4	US-09-308-003-34	Sequence 34, Appl	C 529	11.6	40.0	54	3	US-09-440-523-66	Sequence 66, Appl
C 457	11.6	40.0	20	4	US-09-198-452A-1456	Sequence 1456, Ap	C 530	11.6	40.0	56	1	US-08-171-389-600	Sequence 600, App
C 458	11.6	40.0	21	1	US-08-410-779B-96	Sequence 96, Appl	C 531	11.6	40.0	56	1	US-08-123-936-600	Sequence 600, App
C 459	11.6	40.0	21	4	US-09-422-978-11518	Sequence 11518, A	C 532	11.6	40.0	56	2	US-08-475-228A-600	Sequence 600, App
C 460	11.6	40.0	21	5	PCT-US95-04477-96	Sequence 96, Appl	C 533	11.6	40.0	56	3	US-08-482-080A-600	Sequence 600, App
C 461	11.6	40.0	24	3	US-08-795-430-47	Sequence 47, Appl	C 534	11.6	40.0	56	3	US-09-354-947-600	Sequence 600, App
C 462	11.6	40.0	24	4	US-09-355-700-47	Sequence 47, Appl	C 535	11.6	40.0	56	4	PCT-US93-12388-600	Sequence 600, App
C 463	11.6	40.0	25	4	US-09-479-770A-10	Sequence 10, Appl	C 536	11.6	40.0	56	5	US-10-153-064-14	Sequence 14, Appl
464	11.6	40.0	26	1	US-08-722-001-8	Sequence 8, Appl	C 537	11.6	40.0	60	4	US-10-153-064-15	Sequence 15, Appl
C 465	11.6	40.0	27	1	US-08-308-461-10	Sequence 10, Appl	C 538	11.6	40.0	60	4	US-10-153-064-15	Sequence 15, Appl

C 539	11.6	40.0	61	4	US-09-619-213B-45	Sequence 45, Appl	C 612	11.4	39.3	37	4	US-09-097-239-25	Sequence 25, Appl
C 540	11.6	40.0	62	4	US-09-689-065B-70	Sequence 70, Appl	C 613	11.4	39.3	37	4	US-08-559-390-479	Sequence 479, Appl
C 541	11.6	40.0	64	4	US-09-586-546-40	Sequence 40, Appl	C 614	11.4	39.3	37	4	US-08-559-390-481	Sequence 481, Appl
C 542	11.6	40.0	64	4	US-09-065-914B-4	Sequence 4, Appl	C 615	11.4	39.3	37	4	US-08-559-390-483	Sequence 483, Appl
C 543	11.6	40.0	66	4	US-08-956-171E-1643	Sequence 1643, Ap	C 616	11.4	39.3	37	4	US-08-559-390-485	Sequence 485, Appl
C 544	11.6	40.0	67	4	US-08-956-171E-3341	Sequence 3341, Ap	C 617	11.4	39.3	37	4	US-08-559-390-487	Sequence 487, Appl
C 545	11.6	40.0	69	2	US-08-332-562A-4	Sequence 4, Appl	C 618	11.4	39.3	37	4	US-08-559-390-489	Sequence 489, Appl
C 546	11.6	40.0	69	4	US-09-011-336-62	Sequence 62, Appl	C 619	11.4	39.3	37	4	US-08-559-390-491	Sequence 491, Appl
C 547	11.6	40.0	72	1	US-08-332-420-45	Sequence 45, Appl	C 620	11.4	39.3	37	4	US-08-559-390-493	Sequence 493, Appl
C 548	11.6	40.0	75	4	US-09-025-769B-311	Sequence 311, Appl	C 621	11.4	39.3	37	4	US-08-559-390-495	Sequence 495, Appl
C 549	11.6	40.0	75	4	US-09-025-769B-310	Sequence 310, Appl	C 622	11.4	39.3	37	4	US-08-559-390-521	Sequence 521, Appl
C 550	11.6	40.0	79	4	US-09-389-681-304	Sequence 304, Appl	C 623	11.4	39.3	37	4	US-08-559-390-548	Sequence 548, Appl
C 551	11.6	40.0	79	4	US-09-620-905B-304	Sequence 304, Appl	C 624	11.4	39.3	37	4	US-09-065-752-25	Sequence 25, Appl
C 552	11.6	40.0	79	4	US-08-339-328B-304	Sequence 304, Appl	C 625	11.4	39.3	37	5	PCT-US93-11198-479	Sequence 479, Appl
C 553	11.6	40.0	79	4	US-08-433-826B-304	Sequence 304, Appl	C 626	11.4	39.3	37	5	PCT-US93-11198-481	Sequence 481, Appl
C 554	11.6	40.0	79	4	US-09-604-287A-304	Sequence 304, Appl	C 627	11.4	39.3	37	5	PCT-US93-11198-483	Sequence 483, Appl
C 555	11.6	40.0	79	4	US-08-834-759-304	Sequence 304, Appl	C 628	11.4	39.3	37	5	PCT-US93-11198-485	Sequence 485, Appl
C 556	11.4	39.3	17	4	US-08-584-040-3752	Sequence 3752, Ap	C 629	11.4	39.3	37	5	PCT-US93-11198-487	Sequence 487, Appl
C 557	11.4	39.3	17	4	US-09-371-772B-1519	Sequence 1519, Ap	C 630	11.4	39.3	37	5	PCT-US93-11198-489	Sequence 489, Appl
C 558	11.4	39.3	17	4	US-09-371-772B-6139	Sequence 6139, Ap	C 631	11.4	39.3	37	5	PCT-US93-11198-491	Sequence 491, Appl
C 559	11.4	39.3	20	4	US-08-948-686-49	Sequence 49, Appl	C 632	11.4	39.3	37	5	PCT-US93-11198-493	Sequence 493, Appl
C 560	11.4	39.3	22	1	US-08-271-946A-59	Sequence 59, Appl	C 633	11.4	39.3	37	5	PCT-US93-11198-495	Sequence 495, Appl
C 561	11.4	39.3	22	1	US-08-271-942A-61	Sequence 61, Appl	C 634	11.4	39.3	37	5	PCT-US93-11198-521	Sequence 521, Appl
C 562	11.4	39.3	22	3	US-08-779-916A-61	Sequence 61, Appl	C 635	11.4	39.3	37	5	PCT-US93-11198-548	Sequence 548, Appl
C 563	11.4	39.3	22	3	US-08-750-232-59	Sequence 59, Appl	C 636	11.4	39.3	38	1	US-08-191-866D-95	Sequence 95, Appl
C 564	11.4	39.3	22	5	PCT-US95-08604-61	Sequence 49, Appl	C 637	11.4	39.3	38	3	US-08-480-640A-131	Sequence 131, Appl
C 565	11.4	39.3	22	5	PCT-US95-08604-61	Sequence 61, Appl	C 638	11.4	39.3	38	3	US-08-295-802-131	Sequence 131, Appl
C 566	11.4	39.3	22	5	PCT-US95-08606-59	Sequence 59, Appl	C 639	11.4	39.3	38	3	US-08-488-237A-131	Sequence 131, Appl
C 567	11.4	39.3	24	1	US-07-722-798A-124	Sequence 124, Appl	C 640	11.4	39.3	38	4	US-08-375-992A-131	Sequence 131, Appl
C 568	11.4	39.3	24	1	US-08-242-680-4	Sequence 4, Appl	C 641	11.4	39.3	38	4	US-09-325-554-15	Sequence 15, Appl
C 569	11.4	39.3	24	2	US-08-332-766A-99	Sequence 99, Appl	C 642	11.4	39.3	38	4	US-09-325-554-15	Sequence 15, Appl
C 570	11.4	39.3	24	2	US-08-653-382A-4	Sequence 4, Appl	C 643	11.4	39.3	38	4	US-08-472-679H-131	Sequence 131, Appl
C 571	11.4	39.3	24	4	US-09-812-028-1	Sequence 1, Appl	C 644	11.4	39.3	38	4	US-09-371-772B-7874	Sequence 7874, Ap
C 572	11.4	39.3	25	4	US-09-922-221-6	Sequence 6, Appl	C 645	11.4	39.3	38	4	US-09-371-772B-8215	Sequence 8215, Ap
C 573	11.4	39.3	25	4	US-08-866-108A-3199	Sequence 3199, Ap	C 646	11.4	39.3	38	4	US-09-371-772B-11756	Sequence 11756, A
C 574	11.4	39.3	25	4	US-09-866-108A-3200	Sequence 3200, Ap	C 647	11.4	39.3	38	4	US-09-371-772B-12340	Sequence 12340, A
C 575	11.4	39.3	33	1	US-08-479-487-13	Sequence 13, Appl	C 648	11.4	39.3	38	4	US-09-371-772B-12459	Sequence 12459, A
C 576	11.4	39.3	33	1	US-07-762-132A-6	Sequence 6, Appl	C 649	11.4	39.3	38	4	US-09-371-772B-12520	Sequence 12520, A
C 577	11.4	39.3	33	1	US-08-532-390-38	Sequence 38, Appl	C 650	11.4	39.3	38	4	US-09-371-772B-12645	Sequence 12645, A
C 578	11.4	39.3	33	2	US-08-472-045-6	Sequence 6, Appl	C 651	11.4	39.3	39	4	US-09-957-005-20	Sequence 20, Appl
C 579	11.4	39.3	33	3	US-08-717-294-38	Sequence 38, Appl	C 652	11.4	39.3	40	3	US-08-833-167-85	Sequence 85, Appl
C 580	11.4	39.3	33	4	US-08-696-924-6	Sequence 6, Appl	C 653	11.4	39.3	40	4	US-09-344-837A-85	Sequence 85, Appl
C 581	11.4	39.3	33	4	US-08-387-805-3	Sequence 3, Appl	C 654	11.4	39.3	40	4	US-09-205-815B-38	Sequence 38, Appl
C 582	11.4	39.3	33	4	US-09-057-473-6	Sequence 6, Appl	C 655	11.4	39.3	40	4	US-09-548-797B-170	Sequence 170, Appl
C 583	11.4	39.3	33	5	PCT-US95-02075-6	Sequence 10, Appl	C 656	11.4	39.3	42	2	US-08-776-944-4	Sequence 4, Appl
C 584	11.4	39.3	34	4	US-09-302-357-10	Sequence 36, Appl	C 657	11.4	39.3	42	3	US-09-830-337-8	Sequence 8, Appl
C 585	11.4	39.3	35	3	US-09-363-970-36	Sequence 36, Appl	C 658	11.4	39.3	43	4	US-09-358-036-26	Sequence 26, Appl
C 586	11.4	39.3	36	4	US-09-302-357-4	Sequence 4, Appl	C 659	11.4	39.3	43	4	US-09-627-745-14	Sequence 14, Appl
C 587	11.4	39.3	37	1	US-08-411-786-479	Sequence 479, Appl	C 660	11.4	39.3	43	4	US-09-065-752-26	Sequence 26, Appl
C 588	11.4	39.3	37	1	US-08-411-786-481	Sequence 481, Appl	C 661	11.4	39.3	43	4	US-09-731-468-9	Sequence 9, Appl
C 589	11.4	39.3	37	1	US-08-411-786-483	Sequence 483, Appl	C 662	11.4	39.3	44	4	US-08-723-896-20	Sequence 20, Appl
C 590	11.4	39.3	37	1	US-08-411-786-485	Sequence 485, Appl	C 663	11.4	39.3	47	1	US-09-338-907-328	Sequence 328, Appl
C 591	11.4	39.3	37	1	US-08-411-786-487	Sequence 487, Appl	C 664	11.4	39.3	47	3	US-09-218-207-328	Sequence 328, Appl
C 592	11.4	39.3	37	1	US-08-411-786-489	Sequence 489, Appl	C 665	11.4	39.3	47	4	US-09-422-978-386	Sequence 386, Appl
C 593	11.4	39.3	37	1	US-08-411-786-491	Sequence 491, Appl	C 666	11.4	39.3	47	4	US-09-422-978-2030	Sequence 2030, Ap
C 594	11.4	39.3	37	1	US-08-411-786-493	Sequence 493, Appl	C 667	11.4	39.3	47	4	US-09-422-978-2381	Sequence 2381, Ap
C 595	11.4	39.3	37	1	US-08-411-786-495	Sequence 495, Appl	C 668	11.4	39.3	47	4	US-09-422-978-2469	Sequence 2469, Ap
C 596	11.4	39.3	37	1	US-08-411-786-521	Sequence 521, Appl	C 669	11.4	39.3	47	4	US-09-422-978-2786	Sequence 2786, Ap
C 597	11.4	39.3	37	1	US-08-411-786-548	Sequence 548, Appl	C 670	11.4	39.3	47	4	US-09-422-978-3113	Sequence 3113, Ap
C 598	11.4	39.3	37	3	US-08-471-039-479	Sequence 479, Appl	C 671	11.4	39.3	47	4	US-09-422-978-3113	Sequence 3113, Ap
C 599	11.4	39.3	37	3	US-08-471-039-481	Sequence 481, Appl	C 672	11.4	39.3	50	3	US-08-833-167-84	Sequence 84, Appl
C 600	11.4	39.3	37	3	US-08-471-039-483	Sequence 483, Appl	C 673	11.4	39.3	50	4	US-09-344-837A-84	Sequence 84, Appl
C 601	11.4	39.3	37	3	US-08-471-039-485	Sequence 485, Appl	C 674	11.4	39.3	50	4	US-09-907-794A-135	Sequence 135, Appl
C 602	11.4	39.3	37	3	US-08-471-039-487	Sequence 487, Appl	C 675	11.4	39.3	50	4	US-09-905-125A-135	Sequence 135, Appl
C 603	11.4	39.3	37	3	US-08-471-039-489	Sequence 489, Appl	C 676	11.4	39.3	50	4	US-09-902-775A-135	Sequence 135, Appl
C 604	11.4	39.3	37	3	US-08-471-039-491	Sequence 491, Appl	C 677	11.4	39.3	51	4	US-09-443-198C-765	Sequence 765, Appl
C 605	11.4	39.3	37	3	US-08-471-039-493	Sequence 493, Appl	C 678	11.4	39.3	51	4	US-09-443-198C-766	Sequence 766, Appl
C 606	11.4	39.3	37	3	US-08-471-039-495	Sequence 495, Appl	C 679	11.4	39.3	51	4	US-09-443-198C-776	Sequence 776, Appl
C 607	11.4	39.3	37	3	US-08-471-039-521	Sequence 521, Appl	C 680	11.4	39.3	51	4	US-09-443-199C-854	Sequence 854, Appl
C 608	11.4	39.3	37	3	US-08-471-039-548	Sequence 548, Appl	C 681	11.4	39.3	54	1	US-07-875-758-15	Sequence 5, Appl
C 609	11.4	39.3	37	3	US-09-058-489-56	Sequence 56, Appl	C 682	11.4	39.3	54	1	US-09-294-894-14	Sequence 14, Appl
C 610	11.4	39.3	37	3	US-08-721-458B-59	Sequence 59, Appl	C 683	11.4	39.3	54	4	US-09-479-645A-208	Sequence 208, Appl
C 611	11.4	39.3	37	4	US-09-358-036-25	Sequence 25, Appl	C 684	11.4	39.3	54	4		

C 685	11.4	39.3	57	4	US-08-956-171E-4987	Sequence 4987, Ap	758	11.2	38.6	29	2	US-08-632-575B-39	Sequence 39, Appl
C 686	11.4	39.3	61	4	US-08-956-171E-2106	Sequence 2106, Ap	759	11.2	38.6	29	3	US-09-327-223-31	Sequence 31, Appl
C 687	11.4	39.3	62	3	US-08-937-610-16	Sequence 16, Appl	760	11.2	38.6	29	4	US-09-139-542B-39	Sequence 39, Appl
C 688	11.4	39.3	62	4	US-09-855-159A-14	Sequence 14, Appl	C 761	11.2	38.6	29	5	US-09-304-233-633	Sequence 633, Appl
C 689	11.4	39.3	64	1	US-08-144-212-7	Sequence 7, Appl	C 762	11.2	38.6	29	5	PCT-US95-12608-31	Sequence 31, Appl
C 690	11.4	39.3	64	1	US-08-144-212-14	Sequence 14, Appl	C 763	11.2	38.6	30	1	US-08-182-530-4	Sequence 4, Appl
C 691	11.4	39.3	65	4	US-09-196-281-17	Sequence 17, Appl	C 764	11.2	38.6	30	1	US-08-050-058B-4	Sequence 4, Appl
C 692	11.4	39.3	66	4	US-08-956-171E-2731	Sequence 2731, Ap	C 765	11.2	38.6	30	1	US-08-463-587A-4	Sequence 4, Appl
C 693	11.4	39.3	68	2	US-08-790-963-62	Sequence 62, Appl	C 766	11.2	38.6	30	1	US-08-463-587A-7	Sequence 7, Appl
C 694	11.4	39.3	68	2	US-08-790-963-63	Sequence 63, Appl	C 767	11.2	38.6	30	2	US-08-441-871-8	Sequence 8, Appl
C 695	11.4	39.3	68	3	US-09-371-774-62	Sequence 62, Appl	C 768	11.2	38.6	30	3	US-08-771-781-2	Sequence 2, Appl
C 696	11.4	39.3	68	3	US-09-371-774-63	Sequence 63, Appl	C 769	11.2	38.6	30	3	US-08-923-854-4	Sequence 4, Appl
C 697	11.4	39.3	72	3	US-08-850-961-17	Sequence 17, Appl	C 770	11.2	38.6	30	3	US-09-349-884-13	Sequence 13, Appl
C 698	11.4	39.3	72	3	US-09-479-776-17	Sequence 17, Appl	C 771	11.2	38.6	30	4	US-08-882-649A-21	Sequence 21, Appl
C 699	11.4	39.3	78	1	US-08-351-748-19	Sequence 19, Appl	C 772	11.2	38.6	30	4	US-09-381-393A-7	Sequence 7, Appl
C 700	11.4	39.3	78	2	US-08-430-536A-19	Sequence 19, Appl	C 773	11.2	38.6	30	5	PCT-US91-09133-4	Sequence 4, Appl
C 701	11.4	39.3	78	2	US-08-684-547-19	Sequence 19, Appl	C 774	11.2	38.6	31	1	US-08-487-753-16	Sequence 16, Appl
C 702	11.4	39.3	78	4	US-09-401-064-324	Sequence 324, App	C 775	11.2	38.6	31	1	US-08-480-065-16	Sequence 16, Appl
C 703	11.4	39.3	78	5	PCT-US93-02246-19	Sequence 19, Appl	C 776	11.2	38.6	31	3	US-08-487-744-16	Sequence 16, Appl
C 704	11.2	38.6	17	1	US-08-373-124A-1795	Sequence 1795, Ap	C 777	11.2	38.6	31	4	US-09-206-898-22	Sequence 22, Appl
C 705	11.2	38.6	17	1	US-08-373-124A-1797	Sequence 1797, Ap	C 778	11.2	38.6	31	4	US-09-462-645C-13	Sequence 13, Appl
C 706	11.2	38.6	17	1	US-08-435-628-1795	Sequence 1795, Ap	C 779	11.2	38.6	31	4	US-09-292-225-26	Sequence 26, Appl
C 707	11.2	38.6	17	1	US-08-435-628-1797	Sequence 1797, Ap	C 780	11.2	38.6	31	4	US-09-598-747-30	Sequence 30, Appl
C 708	11.2	38.6	17	4	US-09-371-772B-5131	Sequence 5131, Ap	C 781	11.2	38.6	32	2	US-08-632-575B-59	Sequence 59, Appl
C 709	11.2	38.6	17	4	US-09-371-772B-5132	Sequence 5132, Ap	C 782	11.2	38.6	32	4	US-08-301-037-11	Sequence 11, Appl
C 710	11.2	38.6	17	4	US-09-827-998-204	Sequence 204, App	C 783	11.2	38.6	32	4	US-08-466-539-11	Sequence 11, Appl
C 711	11.2	38.6	17	4	US-09-827-998-280	Sequence 280, App	C 784	11.2	38.6	32	4	US-08-466-539-11	Sequence 11, Appl
C 712	11.2	38.6	17	4	US-09-827-998-280	Sequence 280, App	C 785	11.2	38.6	32	4	US-08-466-539-11	Sequence 11, Appl
C 713	11.2	38.6	18	2	US-09-200-141-37	Sequence 37, Appl	C 786	11.2	38.6	33	1	US-08-201-118-15	Sequence 15, Appl
C 714	11.2	38.6	18	4	US-09-422-978-11398	Sequence 11398, A	C 787	11.2	38.6	33	1	US-08-201-118-15	Sequence 15, Appl
C 715	11.2	38.6	18	4	US-09-422-978-11519	Sequence 11519, A	C 788	11.2	38.6	33	2	US-08-238-821B-15	Sequence 21, Appl
C 716	11.2	38.6	19	4	US-09-422-978-5204	Sequence 5204, Ap	C 789	11.2	38.6	33	2	US-08-238-821B-15	Sequence 21, Appl
C 717	11.2	38.6	19	4	US-09-422-978-9451	Sequence 9451, Ap	C 790	11.2	38.6	33	4	US-08-675-499A-22	Sequence 22, Appl
C 718	11.2	38.6	20	2	US-08-770-565-13	Sequence 13, Appl	C 791	11.2	38.6	33	5	PCT-US95-05744-15	Sequence 15, Appl
C 719	11.2	38.6	20	3	US-09-166-186-198	Sequence 198, App	C 792	11.2	38.6	33	5	PCT-US95-05744-15	Sequence 15, Appl
C 720	11.2	38.6	20	3	US-08-313-932-198	Sequence 198, App	C 793	11.2	38.6	34	3	US-09-040-025-15	Sequence 15, Appl
C 721	11.2	38.6	20	3	US-09-313-932-340	Sequence 340, App	C 794	11.2	38.6	34	3	US-09-040-025-15	Sequence 15, Appl
C 722	11.2	38.6	20	4	US-09-198-452A-1713	Sequence 1713, App	C 795	11.2	38.6	35	1	US-08-437-312-8	Sequence 8, Appl
C 723	11.2	38.6	20	4	US-09-198-452A-6382	Sequence 6382, Ap	C 796	11.2	38.6	35	1	US-08-531-889-68	Sequence 68, Appl
C 724	11.2	38.6	21	1	US-08-253-877C-65	Sequence 65, Appl	C 797	11.2	38.6	35	3	US-09-078-166-41	Sequence 41, Appl
C 725	11.2	38.6	21	1	US-08-410-779B-97	Sequence 97, Appl	C 798	11.2	38.6	35	3	US-09-101-751A-81	Sequence 81, Appl
C 726	11.2	38.6	21	1	US-08-452-164B-65	Sequence 65, Appl	C 799	11.2	38.6	35	4	US-08-319-492B-332	Sequence 332, App
C 727	11.2	38.6	21	4	US-09-397-168-48	Sequence 48, Appl	C 800	11.2	38.6	36	1	US-08-497-312-10	Sequence 26, Appl
C 728	11.2	38.6	21	4	US-09-422-978-8848	Sequence 8848, Ap	C 801	11.2	38.6	36	1	US-08-497-312-10	Sequence 26, Appl
C 729	11.2	38.6	21	5	PCT-US95-04477-97	Sequence 97, Appl	C 802	11.2	38.6	36	3	US-08-574-396-26	Sequence 36, Appl
C 730	11.2	38.6	22	3	US-08-874-678-10	Sequence 10, Appl	C 803	11.2	38.6	36	3	US-08-574-396-26	Sequence 36, Appl
C 731	11.2	38.6	22	3	US-08-843-839-10	Sequence 10, Appl	C 804	11.2	38.6	36	3	US-08-574-396-26	Sequence 36, Appl
C 732	11.2	38.6	22	4	US-09-348-886-10	Sequence 51, Appl	C 805	11.2	38.6	36	3	US-08-574-396-26	Sequence 36, Appl
C 733	11.2	38.6	22	4	US-09-375-673B-51	Sequence 158, App	C 806	11.2	38.6	36	3	US-08-488-181-24	Sequence 24, Appl
C 734	11.2	38.6	24	1	US-08-469-319A-158	Sequence 158, App	C 807	11.2	38.6	36	3	US-08-488-181-24	Sequence 24, Appl
C 735	11.2	38.6	24	1	US-08-764-114-158	Sequence 158, App	C 808	11.2	38.6	36	3	US-08-488-181-35	Sequence 35, Appl
C 736	11.2	38.6	24	4	US-08-469-419-158	Sequence 158, App	C 809	11.2	38.6	36	3	US-08-477-934-30	Sequence 30, Appl
C 737	11.2	38.6	24	4	US-08-469-419-158	Sequence 54, Appl	C 810	11.2	38.6	36	3	US-08-477-934-30	Sequence 30, Appl
C 738	11.2	38.6	25	4	US-09-526-193A-54	Sequence 54, Appl	C 811	11.2	38.6	36	3	US-08-470-535-18	Sequence 26, Appl
C 739	11.2	38.6	25	4	US-09-827-998-1019	Sequence 1019, Ap	C 812	11.2	38.6	36	3	US-08-973-568-26	Sequence 26, Appl
C 740	11.2	38.6	25	4	US-09-827-998-1020	Sequence 1020, Ap	C 813	11.2	38.6	36	3	US-08-973-568-26	Sequence 26, Appl
C 741	11.2	38.6	25	4	US-09-827-998-1021	Sequence 1021, Ap	C 814	11.2	38.6	36	3	US-08-973-568-36	Sequence 36, Appl
C 742	11.2	38.6	25	4	US-09-827-998-1022	Sequence 1022, Ap	C 815	11.2	38.6	36	4	US-07-986-776A-30	Sequence 30, Appl
C 743	11.2	38.6	25	4	US-09-827-998-1023	Sequence 1023, Ap	C 816	11.2	38.6	37	2	US-09-479-005A-577	Sequence 577, App
C 744	11.2	38.6	25	4	US-09-827-998-1024	Sequence 1024, Ap	C 817	11.2	38.6	37	2	US-08-184-009-108	Sequence 108, App
C 745	11.2	38.6	25	4	US-09-827-998-1025	Sequence 1025, Ap	C 818	11.2	38.6	37	2	US-08-458-356-108	Sequence 108, App
C 746	11.2	38.6	25	4	US-09-827-998-1026	Sequence 1026, Ap	C 819	11.2	38.6	37	3	US-08-460-736-108	Sequence 108, App
C 747	11.2	38.6	25	4	US-09-827-998-1027	Sequence 1027, Ap	C 820	11.2	38.6	37	4	US-09-535-370-108	Sequence 108, App
C 748	11.2	38.6	25	4	US-09-827-998-1028	Sequence 1028, Ap	C 821	11.2	38.6	37	4	US-09-479-005A-1081	Sequence 1081, Ap
C 749	11.2	38.6	25	4	US-09-827-998-1029	Sequence 1029, Ap	C 822	11.2	38.6	38	1	US-08-390-850-896	Sequence 896, App
C 750	11.2	38.6	27	1	US-08-434-503-41	Sequence 41, Appl	C 823	11.2	38.6	38	1	US-08-390-850-953	Sequence 953, App
C 751	11.2	38.6	27	4	US-08-584-040-1033	Sequence 1033, Ap	C 824	11.2	38.6	38	1	US-08-373-124A-467	Sequence 467, App
C 752	11.2	38.6	28	1	US-08-342-411A-14	Sequence 14, Appl	C 825	11.2	38.6	38	1	US-08-373-124A-1081	Sequence 1081, Ap
C 753	11.2	38.6	28	3	US-08-646-861-28	Sequence 28, Appl	C 826	11.2	38.6	38	1	US-08-373-124A-154	Sequence 1514, Ap
C 754	11.2	38.6	28	5	PCT-US94-12883-14	Sequence 14, Appl	C 827	11.2	38.6	38	1	US-08-373-124A-1804	Sequence 1804, Ap
C 755	11.2	38.6	29	1	US-08-219-633-25	Sequence 25, Appl	C 828	11.2	38.6	38	1	US-08-373-124A-1806	Sequence 1806, Ap
C 756	11.2	38.6	29	1	US-08-515-236-25	Sequence 25, Appl	C 829	11.2	38.6	38	1	US-08-373-124A-1808	Sequence 1808, Ap
C 757	11.2	38.6	29	1	US-08-761-950-25	Sequence 25, Appl	C 830	11.2	38.6	38	1	US-08-373-124A-2156	Sequence 2156, Ap

C 831	11.2	38.6	1	US-08-373-124A-2348	Sequence 2348, Ap	904	11.2	38.6	43	3	US-08-770-974-9	Sequence 9, Appl
C 832	11.2	38.6	38	US-08-253-155A-79	Sequence 79, Appl	C 905	11.2	38.6	43	3	US-09-306-998-16	Sequence 16, Appl
C 833	11.2	38.6	38	US-08-435-634-896	Sequence 896, Ap	C 906	11.2	38.6	43	3	US-08-770-981-9	Sequence 9, Appl
C 834	11.2	38.6	38	US-08-435-634-896	Sequence 933, Ap	C 907	11.2	38.6	43	4	US-09-399-106-9	Sequence 9, Appl
C 835	11.2	38.6	38	US-08-625-209A-8	Sequence 8, Appl	C 908	11.2	38.6	44	4	US-09-301-593-73	Sequence 73, Appl
C 836	11.2	38.6	38	US-08-435-628-467	Sequence 467, Ap	C 909	11.2	38.6	45	2	US-08-832-449A-5	Sequence 5, Appl
C 837	11.2	38.6	38	US-08-435-628-1081	Sequence 1081, Ap	C 910	11.2	38.6	45	3	US-08-721-458B-62	Sequence 62, Appl
C 838	11.2	38.6	38	US-08-435-628-1514	Sequence 1514, Ap	C 911	11.2	38.6	46	1	US-08-385-375-37	Sequence 37, Appl
C 839	11.2	38.6	38	US-08-435-628-1804	Sequence 1804, Ap	C 912	11.2	38.6	46	1	US-08-766-014-24	Sequence 24, Appl
C 840	11.2	38.6	38	US-08-435-628-1806	Sequence 1806, Ap	C 913	11.2	38.6	47	1	US-08-466-853-2	Sequence 2, Appl
C 841	11.2	38.6	38	US-08-435-628-1808	Sequence 1808, Ap	C 914	11.2	38.6	47	3	US-08-448-194-59	Sequence 59, Appl
C 842	11.2	38.6	38	US-08-435-628-2156	Sequence 2156, Ap	C 915	11.2	38.6	47	4	US-08-867-921-59	Sequence 59, Appl
C 843	11.2	38.6	38	US-08-435-628-2348	Sequence 2348, Ap	C 916	11.2	38.6	47	4	US-09-641-638-738	Sequence 738, Ap
C 844	11.2	38.6	38	US-08-292-620A-2069	Sequence 2069, Ap	C 917	11.2	38.6	47	4	US-09-641-638-1074	Sequence 1074, Ap
C 845	11.2	38.6	38	US-08-853-733B-8	Sequence 8, Appl	C 918	11.2	38.6	47	4	US-09-671-317-692	Sequence 692, Ap
C 846	11.2	38.6	38	US-09-071-845-2069	Sequence 2069, Ap	C 919	11.2	38.6	47	4	US-09-422-978-8	Sequence 8, Appl
C 847	11.2	38.6	38	US-09-371-772B-7628	Sequence 7628, Ap	C 920	11.2	38.6	47	4	US-09-422-978-991	Sequence 991, Ap
C 848	11.2	38.6	38	US-09-371-772B-7873	Sequence 7873, Ap	C 921	11.2	38.6	47	4	US-09-422-978-1662	Sequence 1662, Ap
C 849	11.2	38.6	38	US-09-371-772B-7876	Sequence 7876, Ap	C 922	11.2	38.6	47	4	US-09-422-978-1843	Sequence 1843, Ap
C 850	11.2	38.6	38	US-09-371-772B-7877	Sequence 7877, Ap	C 923	11.2	38.6	47	4	US-09-422-978-2594	Sequence 2594, Ap
C 851	11.2	38.6	38	US-09-371-772B-7878	Sequence 7878, Ap	C 924	11.2	38.6	47	4	US-09-422-978-2598	Sequence 2598, Ap
C 852	11.2	38.6	38	US-09-371-772B-7992	Sequence 7992, Ap	C 925	11.2	38.6	47	4	US-09-422-978-3592	Sequence 3592, Ap
C 853	11.2	38.6	38	US-09-371-772B-8014	Sequence 8014, Ap	C 926	11.2	38.6	47	4	US-09-422-978-3759	Sequence 3759, Ap
C 854	11.2	38.6	38	US-09-371-772B-8044	Sequence 8044, Ap	C 927	11.2	38.6	47	4	US-09-422-978-3823	Sequence 3823, Ap
C 855	11.2	38.6	38	US-09-371-772B-8138	Sequence 8138, Ap	C 928	11.2	38.6	48	2	US-08-470-419-19	Sequence 19, Appl
C 856	11.2	38.6	38	US-09-371-772B-8214	Sequence 8214, Ap	C 929	11.2	38.6	48	2	US-08-761-828-19	Sequence 19, Appl
C 857	11.2	38.6	38	US-09-371-772B-8217	Sequence 8217, Ap	C 930	11.2	38.6	48	3	US-08-290-105-19	Sequence 19, Appl
C 858	11.2	38.6	38	US-09-371-772B-8218	Sequence 8218, Ap	C 931	11.2	38.6	48	3	US-08-776-943-19	Sequence 19, Appl
C 859	11.2	38.6	38	US-09-371-772B-8219	Sequence 8219, Ap	C 932	11.2	38.6	48	3	US-08-482-810-19	Sequence 19, Appl
C 860	11.2	38.6	38	US-09-371-772B-8220	Sequence 8220, Ap	C 933	11.2	38.6	48	3	US-09-027-955-19	Sequence 19, Appl
C 861	11.2	38.6	38	US-09-371-772B-8221	Sequence 8221, Ap	C 934	11.2	38.6	48	4	US-09-636-805-19	Sequence 19, Appl
C 862	11.2	38.6	38	US-09-371-772B-8222	Sequence 8222, Ap	C 935	11.2	38.6	48	4	US-09-258-128-19	Sequence 19, Appl
C 863	11.2	38.6	38	US-09-371-772B-8223	Sequence 8223, Ap	C 936	11.2	38.6	48	4	US-09-635-754-19	Sequence 19, Appl
C 864	11.2	38.6	38	US-09-371-772B-8224	Sequence 8224, Ap	C 937	11.2	38.6	48	4	US-08-680-525-19	Sequence 19, Appl
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C 867	11.2	38.6	38	US-09-371-772B-9921	Sequence 9921, Ap	C 940	11.2	38.6	49	4	US-08-961-888-6	Sequence 6, Appl
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C 870	11.2	38.6	38	US-09-371-772B-10736	Sequence 10736, A	C 943	11.2	38.6	50	1	US-08-956-171B-3476	Sequence 3476, Ap
C 871	11.2	38.6	38	US-09-371-772B-10907	Sequence 10907, A	C 944	11.2	38.6	51	3	US-08-952-383A-8	Sequence 8, Appl
C 872	11.2	38.6	38	5457089-5	Patent No. 5457089	C 945	11.2	38.6	51	2	US-08-970-264A-11	Sequence 11, Appl
C 873	11.2	38.6	39	US-08-470-419-5	Sequence 5, Appl	C 946	11.2	38.6	52	2	US-08-461-775-4	Sequence 4, Appl
C 874	11.2	38.6	39	US-08-761-828-5	Sequence 5, Appl	C 947	11.2	38.6	52	3	US-09-031-606-4	Sequence 4, Appl
C 875	11.2	38.6	39	US-08-290-105-5	Sequence 5, Appl	C 948	11.2	38.6	53	2	US-08-461-775-5	Sequence 5, Appl
C 876	11.2	38.6	39	US-08-776-949-5	Sequence 5, Appl	C 949	11.2	38.6	53	3	US-09-031-606-5	Sequence 5, Appl
C 877	11.2	38.6	39	US-08-482-810-5	Sequence 5, Appl	C 950	11.2	38.6	54	4	US-09-464-122A-21	Sequence 21, Appl
C 878	11.2	38.6	39	US-08-889-841B-49	Sequence 49, Appl	C 951	11.2	38.6	56	1	US-08-102-474-10	Sequence 10, Appl
C 879	11.2	38.6	39	US-09-027-955-5	Sequence 5, Appl	C 952	11.2	38.6	56	1	US-08-414-019A-10	Sequence 10, Appl
C 880	11.2	38.6	39	US-09-636-805-5	Sequence 5, Appl	C 953	11.2	38.6	56	2	US-08-874-678-40	Sequence 40, Appl
C 881	11.2	38.6	39	US-09-258-128-5	Sequence 5, Appl	C 954	11.2	38.6	56	3	US-08-643-839-40	Sequence 40, Appl
C 882	11.2	38.6	39	US-09-635-754-5	Sequence 5, Appl	C 955	11.2	38.6	56	4	US-09-348-886-40	Sequence 40, Appl
C 883	11.2	38.6	39	US-08-680-525-5	Sequence 5, Appl	C 956	11.2	38.6	60	3	US-08-911-894-64	Sequence 64, Appl
C 884	11.2	38.6	39	US-09-636-223-5	Sequence 5, Appl	C 957	11.2	38.6	60	4	US-08-956-171B-2347	Sequence 2347, Ap
C 885	11.2	38.6	39	US-09-419-362-49	Sequence 49, Appl	C 958	11.2	38.6	62	2	US-08-210-762B-5	Sequence 5, Appl
C 886	11.2	38.6	40	US-08-184-089-190	Sequence 190, Ap	C 959	11.2	38.6	62	4	US-09-106-078A-5	Sequence 5, Appl
C 887	11.2	38.6	40	US-08-458-356-190	Sequence 190, Ap	C 960	11.2	38.6	63	3	US-08-651-136C-35	Sequence 35, Appl
C 888	11.2	38.6	40	US-09-306-290-34	Sequence 34, Appl	C 961	11.2	38.6	63	4	US-09-229-911A-35	Sequence 35, Appl
C 889	11.2	38.6	40	US-08-460-736-190	Sequence 190, Ap	C 962	11.2	38.6	64	4	US-09-798-128-1	Sequence 1, Appl
C 890	11.2	38.6	40	US-09-535-370-190	Sequence 190, Ap	C 963	11.2	38.6	65	4	US-09-564-805-7	Sequence 7, Appl
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C 892	11.2	38.6	41	US-08-930-503A-11	Sequence 11, Appl	C 965	11.2	38.6	68	3	US-08-478-208-7	Sequence 7, Appl
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C 894	11.2	38.6	42	US-09-039-982A-55	Sequence 55, Appl	C 967	11.2	38.6	69	4	US-09-011-336-64	Sequence 64, Appl
C 895	11.2	38.6	42	US-09-039-762A-55	Sequence 55, Appl	C 968	11.2	38.6	70	2	US-08-488-402A-127	Sequence 127, Ap
C 896	11.2	38.6	42	US-09-194-285-47	Sequence 47, Appl	C 969	11.2	38.6	70	2	US-08-484-552A-127	Sequence 127, Ap
C 897	11.2	38.6	42	US-09-042-492D-55	Sequence 55, Appl	C 970	11.2	38.6	70	5	PCT-US96-09472-127	Sequence 127, Ap
C 898	11.2	38.6	42	US-08-913-612A-61	Sequence 61, Appl	C 971	11.2	38.6	72	1	US-08-433-126A-30	Sequence 30, Appl
C 899	11.2	38.6	43	US-08-249-189-9	Sequence 9, Appl	C 972	11.2	38.6	72	1	US-08-433-124A-30	Sequence 30, Appl
C 900	11.2	38.6	43	US-08-464-624A-9	Sequence 9, Appl	C 973	11.2	38.6	72	3	US-08-976-413A-30	Sequence 30, Appl
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C 902	11.2	38.6	43	US-09-088-913A-9	Sequence 9, Appl	C 975	11.2	38.6	72	4	US-09-621-976-8533	Sequence 8533, Ap
C 903	11.2	38.6	43	US-08-769-819-9	Sequence 9, Appl	C 976	11.2	38.6	72	5	PCT-US96-06059-30	Sequence 30, Appl

C 977	11.2	38.6	73	2	US-08-184-003-189	Sequence 189, App
C 978	11.2	38.6	73	2	US-08-703-196-1	Sequence 1, Appl
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C 980	11.2	38.6	73	3	US-08-460-736-189	Sequence 189, App
C 981	11.2	38.6	73	4	US-08-535-370-189	Sequence 189, App
C 982	11.2	38.6	73	4	US-08-956-171E-2408	Sequence 2408, Ap
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C 984	11.2	38.6	75	4	US-09-621-976-8388	Sequence 8388, Ap
C 985	11.2	38.6	77	1	US-08-442-572-12	Sequence 12, Appl
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C 987	11.2	38.6	77	1	US-08-345-623-2	Sequence 2, Appl
C 988	11.2	38.6	77	5	PCT-US95-05600-95	Sequence 95, Appl
C 989	11.2	38.6	79	4	US-08-956-171E-1894	Sequence 1894, Ap
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C 991	11.2	38.6	80	1	US-08-377-228-2	Sequence 2, Appl
C 992	11	37.9	17	1	US-07-832-905B-16	Sequence 16, Appl
C 993	11	37.9	17	2	US-08-700-757-16	Sequence 16, Appl
C 994	11	37.9	17	3	US-08-463-691-16	Sequence 16, Appl
C 995	11	37.9	20	1	US-08-455-896-12	Sequence 12, Appl
C 996	11	37.9	20	2	US-08-933-149-12	Sequence 12, Appl
C 997	11	37.9	20	2	US-09-082-343-12	Sequence 12, Appl
C 998	11	37.9	20	3	US-09-082-253-12	Sequence 12, Appl
C 999	11	37.9	20	3	US-08-755-587-7	Sequence 77, Appl
C 1000	11	37.9	20	3	US-08-777-456A-9	Sequence 97, Appl

ALIGNMENTS

RESULT 1
US-08-943-731-336/c
Sequence 336, Application US/08943731
Patent No. 6265157
GENERAL INFORMATION:
APPLICANT: PROCKOP, DARWIN J.
APPLICANT: SPOTILA, LORETTA D.
APPLICANT: DELTAS, CONSTANTINOS D.
APPLICANT: SEREDA, LARISA
APPLICANT: LARSON, ANDREA W.
APPLICANT: PACK, MICHAEL
APPLICANT: COLIGE, ALAIN
APPLICANT: EARLY, JAMES
APPLICANT: KORKKO, JARMO
APPLICANT: ALA-KORKKO, LEENA, et al.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
TITLE OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
NUMBER OF SEQUENCES: 666
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZ JACOBS & NADEL, P.C.
STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND
FLOOR
CITY: PHILADELPHIA
STATE: PA
COUNTRY: USA
ZIP: 19103-7086
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/943,731
FILING DATE: 03-OCT-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/212,322
FILING DATE: 14-MAR-1994
APPLICATION DATA:
APPLICATION NUMBER: US 07/803,628
FILING DATE: 03-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: DOYLE LEARY Ph.D., KATHRYN
REGISTRATION NUMBER: 36,317

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/ REFERENCE/DOCKET NUMBER: 9598-27
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/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 215-965-1284
/ TELEFAX: 215-567-2991
/ TELEX: 831-494
/ INFORMATION FOR SEQ ID NO: 336:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 25 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA (genomic)
/ US-08-943-731-336
/
/ Query Match 52.4%; Score: 1
/ Best Local Similarity 45.0%; Pred. I: 1
/ Matches 9; Conservative 8; Mismatch: 1
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/ QY 5 AUUCUUUUUUAAGGCCUAG 24
/ |||: |||: ||||: ||
/ Db 22 ATTCTCTTTGTGAGCCCTTG 3
/
/ RESULT 2
/ US-08-667-079B-5/c
/ Sequence 5, Application US/08667079B
/ Patent No. 5789171
/ GENERAL INFORMATION:
/ APPLICANT: Mark S. Smeltzer
/ TITLE OF INVENTION: Use of cna, fnl
/ NUMBER OF SEQUENCES: 20
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Benjamin Aaron Adler,
/ STREET: 8011 Candle Lane
/ CITY: Houston
/ STATE: Texas
/ COUNTRY: USA
/ ZIP: 77071
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: Apple Macintosh
/ OPERATING SYSTEM: Macintosh
/ SOFTWARE: Microsoft Word for Mac:
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/667,079
/ FILING DATE: June 20, 1996
/ CLASSIFICATION: 435
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Adler, Benjamin Aaron
/ REGISTRATION NUMBER: 35,423
/ REFERENCE/DOCKET NUMBER: D5886
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 713-777-2321
/ TELEFAX: 713-777-6908
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 33
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE:
/ DESCRIPTION: other nucleic acid
/ HYPOTHETICAL: No
/ ANTI-SENSE: No
/ ORIGINAL SOURCE:
/ STRAIN:
/ INDIVIDUAL ISOLATE:
/ DEVELOPMENTAL STAGE:
/ TISSUE TYPE:
/ CELL TYPE:
/ CELL LINE:
/ US-08-667-079B-5

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; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1099
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1099

Query Match          49.0%; Score 14.2; DB 4; Length 25;
Best Local Similarity 42.1%; Pred. No. 8.7e+02;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25
Db 24 TCTTTTGTAGTCCCTAAG 6

RESULT 8
US-09-827-998-1100/c
; Sequence 1100, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1100
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1100

Query Match          49.0%; Score 14.2; DB 4; Length 25;
Best Local Similarity 42.1%; Pred. No. 8.7e+02;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25
Db 23 TCTTTTGTAGTCCCTAAG 5

RESULT 9
US-09-827-998-1101/c
; Sequence 1101, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881

; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1101
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1101

Query Match          49.0%; Score 14.2; DB 4; Length 25;
Best Local Similarity 42.1%; Pred. No. 8.7e+02;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25
Db 22 TCTTTTGTAGTCCCTAAG 4

RESULT 10
US-09-827-998-1102/c
; Sequence 1102, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1102
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1102

Query Match          49.0%; Score 14.2; DB 4; Length 25;
Best Local Similarity 42.1%; Pred. No. 8.7e+02;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 7 UCUUUUGUAGCCCUAGG 25
Db 21 TCTTTTGTAGTCCCTAAG 3

RESULT 11
US-09-827-998-1103/c
; Sequence 1103, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aecomica Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 1103
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1103
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Query Match 49.0%; Score 14.2; DB 4; Length 25;
Best Local Similarity 42.1%; Pred. No. 8.7e+02;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUCUUUGUAGCCCUAGG 25
DB 20 TCITTTTGTAGTCCCTAAG 2

RESULT 12
US-09-827-998-1104/c
; Sequence 1104, Application US/09827998
; Patent No. 8656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDHMF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1891
; SOFTWARE: Aeonica Sequence Listing Engine
; Patent No. 8656700
; SEQ ID NO 1104
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-1104

Query Match 49.0%; Score 14.2; DB 4; Length 25;
Best Local Similarity 42.1%; Pred. No. 8.7e+02;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

QY 7 UCUCUUUGUAGCCCUAGG 25
DB 19 TCITTTTGTAGTCCCTAAG 1

RESULT 13
US-09-690-146A-5
; Sequence 5, Application US/09690146A
; Patent No. 6485937
; GENERAL INFORMATION:
; APPLICANT: Palhan, Vikas
; TITLE OF INVENTION: System for Rapid Generation of Recombinant
; FILE REFERENCE: 7529/1G164-US1
; CURRENT APPLICATION NUMBER: US/09/690,146A
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: 60/159,707
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 5
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: VP28 Reverse Primer
US-09-690-146A-5

Query Match 48.3%; Score 14; DB 4; Length 30;
Best Local Similarity 45.5%; Pred. No. 1.1e+03;
Matches 10; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 5 AUUCUUUUUGUAGCCCUAGG 26
DB 29 ATTAAATTGTAACTCCTTAGG 8

RESULT 14
US-09-690-146A-7/c
; Sequence 7, Application US/09690146A
; Patent No. 6485937
; GENERAL INFORMATION:
; APPLICANT: Palhan, Vikas
; APPLICANT: Roeder, Robert
; TITLE OF INVENTION: System for Rapid Generation of Recombinant
; FILE REFERENCE: 7529/1G164-US1
; CURRENT APPLICATION NUMBER: US/09/690,146A
; CURRENT FILING DATE: 2001-06-01
; PRIOR APPLICATION NUMBER: 60/159,707
; PRIOR FILING DATE: 1999-10-15
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 7
; LENGTH: 30
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthesized oligonucleotide
US-09-690-146A-7

Query Match 48.3%; Score 14; DB 4; Length 30;
Best Local Similarity 45.5%; Pred. No. 1.1e+03;
Matches 10; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

QY 5 AUUCUUUUUGUAGCCCUAGG 26
DB 29 ATTAAATTGTAACTCCTTAGG 8

RESULT 15
US-08-049-264C-55
; Sequence 55, Application US/08049264C
; Patent No. 5518901
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; TITLE OF INVENTION: SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; STREET: Peachtree Street N.E.
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/049,264C
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Pertymal, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1313.001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid

```

; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-049-264C-55

Query Match      48.3%; Score 14; DB 1; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy 6 UUCUUUUGUAGCCCUAGGGG 27
Db 8 TTTTITTTTAAACCCGGGGG 29

RESULT 16
US-08-476-562-55
; Sequence 55, Application US/08476562
; Patent No. 568669
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,562
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 05010.0061
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide
US-08-479-723A-55

Query Match      48.3%; Score 14; DB 1; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy 6 UUCUUUUGUAGCCCUAGGGG 27
Db 8 TTTTITTTTAAACCCGGGGG 29

RESULT 18
PCT-US94-04310-55
; Sequence 55, Application PC/TUS9404310
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 74
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/04310
; PRIOR APPLICATION NUMBER: US 08/049,264
; FILING DATE: 19-APR-1993
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-04310-55

Query Match      48.3%; Score 14; DB 1; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

Qy 6 UUCUUUUGUAGCCCUAGGGG 27
Db 8 TTTTITTTTAAACCCGGGGG 29

RESULT 17
US-08-479-723A-55
; Sequence 55, Application US/08479723A
; Patent No. 5744306
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,562
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/049,264
; FILING DATE: April 19, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1313.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 55:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 37 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-476-562-55
```

Query Match 48.3%; Score 14; DB 5; Length 37;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UUCUUUUUUAAGCCUAGGGG 27
Db 8 TTTT TTTT TTTT AAACCGGGGG 29

RESULT 19
US-08-049-264C-54/c
; Sequence 54, Application US/08049264C
; Patent No. 5518901
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/049,264C
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/049,264
; FILING DATE: April 19, 1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1313.004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-049-264C-54

Query Match 48.3%; Score 14; DB 1; Length 44;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UUCUUUUUUAAGCCUAGGGG 27
Db 42 TTTT TTTT TTTT AAACCGGGGG 21

RESULT 20
US-08-476-562-54/c
; Sequence 54, Application US/08476562
; Patent No. 568669
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 75
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,723A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 05010.0061
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770

CITY: Atlanta
STATE: Georgia
COUNTRY: USA
ZIP: 30303
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,562
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/049,264
FILING DATE: April 19, 1993
ATTORNEY/AGENT INFORMATION:
NAME: Perryman, David G.
REGISTRATION NUMBER: 33,438
REFERENCE/DOCKET NUMBER: 1313.004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 688-0770
TELEFAX: (404) 688-9880
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-476-562-54

Query Match 48.3%; Score 14; DB 1; Length 44;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UUCUUUUUUAAGCCUAGGGG 27
Db 42 TTTT TTTT TTTT AAACCGGGGG 21

RESULT 21
US-08-479-723A-54/c
; Sequence 54, Application US/08479723A
; Patent No. 5744306
; GENERAL INFORMATION:
; APPLICANT: Murtagh, James J.
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; SEQUENCING AND CLONING USING EXONUCLEASE
; NUMBER OF SEQUENCES: 87
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, The Candler Bldg., 127
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,723A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 05010.0061
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404) 688-0770

```
; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide
US-08-479-723A-54

Query Match      48.3%; Score 14; DB 1; Length 44;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UCUUUUUUUAAGCCCUAGGG 27
   :::::::|||||
Db 42 TTTTITTTTAAACCGGGGG 21
   :::::::|||||

RESULT 22
PCT-US94-04310-54/c
; Sequence 54, Application PC/TUS9404310
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; NUMBER OF SEQUENCES: 74
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/04310
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/049,264
; FILING DATE: 19-APR-1993
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-04310-54

Query Match      48.3%; Score 14; DB 5; Length 44;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UCUUUUUUUAAGCCCUAGGG 27
   :::::::|||||
Db 42 TTTTITTTTAAACCGGGGG 21
   :::::::|||||

RESULT 23
US-09-641-638-1059
; Sequence 1059, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Il'ya
; APPLICANT: Cohen, Amick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CP1
; CURRENT APPLICATION NUMBER: US/09/641,638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07

; TELEFAX: (404) 688-9880
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: oligonucleotide
US-08-479-723A-54

Query Match      48.3%; Score 14; DB 1; Length 44;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UCUUUUUUUAAGCCCUAGGG 27
   :::::::|||||
Db 42 TTTTITTTTAAACCGGGGG 21
   :::::::|||||

RESULT 22
PCT-US94-04310-54/c
; Sequence 54, Application PC/TUS9404310
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: METHODS FOR NUCLEIC ACID DETECTION,
; NUMBER OF SEQUENCES: 74
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/04310
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/049,264
; FILING DATE: 19-APR-1993
; INFORMATION FOR SEQ ID NO: 54:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
PCT-US94-04310-54

Query Match      48.3%; Score 14; DB 5; Length 44;
Best Local Similarity 40.9%; Pred. No. 1.2e+03;
Matches 9; Conservative 8; Mismatches 5; Indels 0; Gaps 0;

QY 6 UCUUUUUUUAAGCCCUAGGG 27
   :::::::|||||
Db 42 TTTTITTTTAAACCGGGGG 21
   :::::::|||||

RESULT 23
US-09-641-638-1059
; Sequence 1059, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Il'ya
; APPLICANT: Cohen, Amick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CP1
; CURRENT APPLICATION NUMBER: US/09/641,638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07

; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 1059
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 12-171-360 : polymorphic base C or T
US-09-641-638-1059

Query Match      48.3%; Score 14; DB 4; Length 47;
Best Local Similarity 50.0%; Pred. No. 1.2e+03;
Matches 11; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY 5 AUUUUUUUUAAGCCCUAGGG 26
   :::::::|||||
Db 25 ATTCTATCTGGAGCTTAGGG 46
   :::::::|||||

RESULT 24
US-09-827-998-283/c
; Sequence 283, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SOFTWARE: Aescima Sequence Listing Engine
; Patent No. 6656700
; SEQ ID NO 283
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-827-998-283

Query Match      47.6%; Score 13.8; DB 4; Length 17;
Best Local Similarity 41.2%; Pred. No. 1.2e+03;
Matches 7; Conservative 8; Mismatches 2; Indels 0; Gaps 0;

QY 7 UCUUUUUUUAAGCCCUA 23
   :::::::|||||
Db 17 TCTTTTGTAGTCCCTA 1
   :::::::|||||

RESULT 25
US-09-827-998-1105/c
; Sequence 1105, Application US/09827998
; Patent No. 6656700
; GENERAL INFORMATION:
; APPLICANT: Gu, Yizhong
; APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REFERENCE: MDMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
```



```
Matches 8; Conservative 11; Mismatches 8; Indels 0; Gaps 0;
QY 1 UAUAUUCUUUUUUAAGCCUAGGGG 27
    : : : : : : : : : : : : : : : :
Db 7 TGTGCTTCCTTTTGTATGCGTAATGG 33
    : : : : : : : : : : : : : : : :

RESULT 30
US-09-468-872-11/c
; Sequence 11, Application US/09468872
; Patent No. 6331614
; GENERAL INFORMATION:
; APPLICANT: Wong, Alexander K.C.
; APPLICANT: Teng, David H.-F.
; APPLICANT: Tavligian, Sean V.
; TITLE OF INVENTION: Human CDC14A Gene
; FILE REFERENCE: CDC14A Gene
; CURRENT APPLICATION NUMBER: US/09/468,872
; CURRENT FILING DATE: 1999-12-22
; EARLIER APPLICATION NUMBER: US 60/113,833
; EARLIER FILING DATE: 1998-12-23
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 11
; LENGTH: 42
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-468-872-11

Query Match 46.9%; Score 13.6; DB 4; Length 42;
Best Local Similarity 35.7%; Pred. No. 1.8e+03;
Matches 10; Conservative 9; Mismatches 9; Indels 0; Gaps 0;
QY 2 AUAUUCUUUUUUAAGCCUAGGGGCU 29
    : : : : : : : : : : : : : : : :
Db 36 ATTATGCTTTTGAATACGTCGTGACT 9
    : : : : : : : : : : : : : : : :

RESULT 31
US-08-343-443B-39
; Sequence 39, Application US/08343443B
; Patent No. 5968734
; GENERAL INFORMATION:
; APPLICANT: Aurias, Alain
; APPLICANT: Delattre, Olivier
; APPLICANT: Desmaze, Chantal
; APPLICANT: Melot, Thomas
; APPLICANT: Peter, Martine
; APPLICANT: Floougastel, Beatrice
; APPLICANT: Thomas, Gilles
; APPLICANT: Zucman, Jessica
; TITLE OF INVENTION: NUCLEIC ACID CORRESPONDING TO A GENE OF
; TITLE OF INVENTION: CHROMOSOME 22 INVOLVED IN RECURRENT CHROMOSOMAL
; TITLE OF INVENTION: TRANSLATIONS ASSOCIATED WITH THE DEVELOPMENT OF CANCEROUS
; TITLE OF INVENTION: TUMORS, AND NUCLEIC ACIDS OF FUSION RESULTING FROM SAID
; TITLE OF INVENTION: TRANSLOCATIONS
; NUMBER OF SEQUENCES: 129
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Weiser & Associates
; STREET: 230 South Fifteenth Street
; CITY: Philadelphia
; STATE: PA
; COUNTRY: USA
; ZIP: 19102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: AEDIT 1.0 DOS text editor
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/343,443B
; FILING DATE: 18-NOV-1994
; CLASSIFICATION: 514
```

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; PRIOR APPLICATION DATA: PCT/FR93/00494
; FILING DATE: 19-MAY-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 92/06123
; FILING DATE: 20-MAY-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Weiser, Gerard J.
; REGISTRATION NUMBER: 19,763
; REFERENCE/DOCKET NUMBER: 989.6121P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-875-8383
; TELEFAX: 215-875-8394
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 44 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
US-08-343-443B-39

Query Match 46.9%; Score 13.6; DB 2; Length 44;
Best Local Similarity 35.7%; Pred. No. 1.8e+03;
Matches 10; Conservative 9; Mismatches 9; Indels 0; Gaps 0;
QY 1 UAUAUUCUUUUUUAAGCCUAGGGGC 28
    : : : : : : : : : : : : : : : :
Db 14 TGTGTTCTTTGTAGTCCAGAGGC 41
    : : : : : : : : : : : : : : : :

RESULT 32
US-09-422-978-2286/c
; Sequence 2286, Application US/09422978
; Patent No. 6537751
; GENERAL INFORMATION:
; APPLICANT: Cohen, Daniel
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET.020CPI
; CURRENT APPLICATION NUMBER: US/09/422,978
; CURRENT FILING DATE: 1999-10-20
; EARLIER APPLICATION NUMBER: US 09/298,850
; EARLIER FILING DATE: 1999-04-21
; EARLIER APPLICATION NUMBER: US 60/109,732
; EARLIER FILING DATE: 1998-11-23
; EARLIER APPLICATION NUMBER: US 60/082,614
; EARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 2286
; LENGTH: 47
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 24
; OTHER INFORMATION: 99-10179-48 : polymorphic base G or A
US-09-422-978-2286

Query Match 46.9%; Score 13.6; DB 4; Length 47;
Best Local Similarity 35.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 9; Mismatches 4; Indels 0; Gaps 0;
QY 3 UGAUUCUUUUUUAAGCCCU 22
    : : : : : : : : : : : : : : : :
Db 20 TCATTCTTTGTTAAGGCCT 1
    : : : : : : : : : : : : : : : :

RESULT 33
US-08-956-171E-5024/c
; Sequence 5024, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
```



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/ APPLICANT: Charles Kunsch
/ Gil H. Choi
/ Patrick S. Dillon
/ Craig A. Rosen
/ Steven C. Barash
/ Michael R. Fannon
/
/ TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
/ NUMBER OF SEQUENCES: 5256
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Human Genome Sciences, Inc.
/ STREET: 9410 Key West Avenue
/ CITY: Rockville
/ STATE: Maryland
/ COUNTRY: USA
/ ZIP: 20850
/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
/ COMPUTER: HP Vectra 486/33
/ OPERATING SYSTEM: MSDOS version 6.2
/ SOFTWARE: ASCII Text
/
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/956,171E
/ FILING DATE: 20-Oct-1997
/ CLASSIFICATION: <Unknown>
/
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 60/009,861
/ FILING DATE: January 5, 1996
/ APPLICATION NUMBER: 08/781,986
/ FILING DATE: January 3, 1997
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Mark J. Hyman
/ REGISTRATION NUMBER: 46,789
/ REFERENCE/DOCKET NUMBER: PB248P1
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (240) 314-1224
/ TELEFAX: (301) 309-8439
/ INFORMATION FOR SEQ ID NO: 5024:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 55 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: double
/ TOPOLOGY: linear
/ SEQUENCE DESCRIPTION: SEQ ID NO: 5024:
US-08-956-171E-5024

Query Match 46.9%; Score 13.6; DB 4; Length 55;
Best Local Similarity 45.0%; Pred. No. 1.9e+03;
Matches 9; Conservative 7; Mismatches 4; Indels 0; Gaps 0;

QY 2 AUGAUUUUUUUUUUUAAGCC 21
Db 48 ATGATTCATTTTGGAAATCC 29

RESULT 34
US-09-247-190-37
/ Sequence 37, Application US/09247190
/ Patent No. 6261804
/ GENERAL INFORMATION:
/ APPLICANT: Szostak, Jack W.
/ APPLICANT: Roberts, Richard W.
/ APPLICANT: Liu, Rhee
/ TITLE OF INVENTION: SELECTION OF PROTEINS USING RNA-PROTEIN
/ FILE REFERENCE: 00786/350005
/ CURRENT APPLICATION NUMBER: US/09/247,190
/ CURRENT FILING DATE: 1999-02-09
/ EARLIER FILING DATE: 1997-01-21
/ EARLIER APPLICATION NUMBER: 60/064,491
/ EARLIER FILING DATE: 1997-11-06
/ EARLIER APPLICATION NUMBER: 09/007,005
/ EARLIER FILING DATE: 1998-01-14
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/ NUMBER OF SEQ ID NOS: 38
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 37
/ LENGTH: 26
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: DNA splint
/ OTHER INFORMATION: n = a, t, c, or g.
US-09-247-190-37

Query Match 46.2%; Score 13.4; DB 3; Length 26;
Best Local Similarity 29.2%; Pred. No. 2.1e+03;
Matches 7; Conservative 10; Mismatches 7; Indels 0; Gaps 0;

QY 6 UUCUUUUUUUAAGCCCUAGGGCU 29
Db 1 TTTTITTTTINAGCTTTTGGTGT 24

RESULT 35
US-10-061-658-4/c
/ Sequence 4, Application US/10061658
/ Patent No. 6652856
/ GENERAL INFORMATION:
/ APPLICANT: Biogen, Inc.
/ APPLICANT: Gotwals, Philip
/ APPLICANT: Kotellansky, Victor
/ TITLE OF INVENTION: Method for the Treatment of Fibrosis
/ FILE REFERENCE: A073US
/ CURRENT APPLICATION NUMBER: US/10/061,658
/ CURRENT FILING DATE: 2002-02-01
/ PRIOR APPLICATION NUMBER: 60/137,214
/ PRIOR FILING DATE: 1999-06-01
/ PRIOR APPLICATION NUMBER: 60/130,847
/ PRIOR FILING DATE: 1999-04-22
/ NUMBER OF SEQ ID NOS: 10
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 4
/ LENGTH: 26
/ TYPE: DNA
/ ORGANISM: Homo sapien
US-10-061-658-4

Query Match 46.2%; Score 13.4; DB 4; Length 26;
Best Local Similarity 47.8%; Pred. No. 2.1e+03;
Matches 11; Conservative 6; Mismatches 6; Indels 0; Gaps 0;

QY 5 AUUCUUUUUUUAAGCCCUAGGG 27
Db 24 ATTCGCTTTGGAGCGCTCGAGG 2

RESULT 36
US-09-598-747-32/c
/ Sequence 32, Application US/09598747
/ Patent No. 6531648
/ GENERAL INFORMATION:
/ APPLICANT: Lanahan, Michael B.
/ APPLICANT: Desai, Nalini M.
/ APPLICANT: Gaskaska, Pamela Y.
/ TITLE OF INVENTION: GRAIN PROCESSING METHOD AND TRANSGENIC PLANTS USEFUL
/ FILE REFERENCE: A-31383P1
/ CURRENT APPLICATION NUMBER: US/09/598,747
/ CURRENT FILING DATE: 2000-06-21
/ NUMBER OF SEQ ID NOS: 42
/ SOFTWARE: PatentIn Ver. 2.1
/ SEQ ID NO 32
/ LENGTH: 35
/ TYPE: DNA
/ ORGANISM: Artificial Sequence
/ FEATURE:
```



```
;;
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genencor International, Inc.
;; STREET: 180 Kimball Way
;; CITY: South San Francisco
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94080
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5 inch, 1.44 Mb
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/194,664A
;; FILING DATE: 10-FEB-94
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Stone, Christopher L.
;; REGISTRATION NUMBER: 35,696
;; REFERENCE/DOCKET NUMBER: GC220-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 742-7555
;; TELEFAX: (415) 742-7217
;; INFORMATION FOR SEQ ID NO: 28:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 41 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; US-08-194-664A-28
;;
;; Query Match 46.2%; Score 13.4; DB 3; Length 41;
;; Best Local Similarity 34.8%; Pred. No. 2.3e+03;
;; Matches 8; Conservative 9; Mismatches 6; Indels 0; Gaps 0;
;;
;; QY 1 UAUCAUUCUUUUUGUAAGCCCUA 23
;; Db 18 TATGATTATTGTGTATTGCCGA 40
;;
;; RESULT 40
;; PCT-US94-01553A-28
;; Sequence 28, Application PC/TUS9401553A
;; GENERAL INFORMATION:
;; APPLICANT: GENENCOR INTERNATIONAL, INC.
;; TITLE OF INVENTION: Oxidatively Stable Alpha-Amylase
;; NUMBER OF SEQUENCES: 68
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Genencor International, Inc.
;; STREET: 180 Kimball Way
;; CITY: South San Francisco
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94080
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US94/01553A
;; FILING DATE:
;; CLASSIFICATION:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Horn, Margaret A.
;; REGISTRATION NUMBER: 33,401
;; REFERENCE/DOCKET NUMBER: GC220-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (415) 742-7536
;; TELEFAX: (415) 742-7217
;; INFORMATION FOR SEQ ID NO: 28:
;; SEQUENCE CHARACTERISTICS:
```

```
;;
;; LENGTH: 41 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
;; PCT-US94-01553A-28
;;
;; Query Match 46.2%; Score 13.4; DB 5; Length 41;
;; Best Local Similarity 34.8%; Pred. No. 2.3e+03;
;; Matches 8; Conservative 9; Mismatches 6; Indels 0; Gaps 0;
;;
;; QY 1 UAUCAUUCUUUUUGUAAGCCCUA 23
;; Db 18 TATGATTATTGTGTATTGCCGA 40
;;
;; Search completed: April 18, 2004, 09:59:54
;; Job time : 45.6667 secs
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